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ANNUAL REPORT

OF THE

Department of Lands and Forests

OF THE

PROVINCE OF ALBERTA

FOR THE

FISCAL YEAR ENDED MARCH 31st

1955

PUBLISHED BY ORDER OF THE LEGISLATIVE ASSEMBLY

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To the Honourable J.J. Bowlen,
Lieutenant-Governor of the Province of Alberta.

SIR:

I have the honour to submit the Report of the Department of Lands and Forests for the fiscal year ended March 31st, 1955.

I have the honour, to be, Sir,

Your obedient servant,
NORMAN WILLMORE,
Minister of Lands and Forests.

Edmonton, October 27th, 1955.

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CHIEF OFFICERS
DEPARTMENT OF LANDS AND FORESTS

March 31st, 1955.

Hon. Norman Willmore ... *Minister of Lands & Forests*
H. G. Jensen ... *Deputy Minister Lands & Forests*
G. W. Acorn ... *Departmental Solicitor*
V. A. Wood ... *Director of Lands*
E. P. Shaver ... *Asst. Director of Lands*
E. S. Huestis ... *Director of Forestry*
J. R. H. Hall ... *Asst. Director of Forestry*
T. R. Hammer ... *Chief Timber Inspector*
A. Earnshaw ... *Radio Superintendent*
C. Harvie ... *Supt. Provincial Parks*
E. S. Huestis ... *Fish and Game Commissioner*
D. E. Forsland ... *Superintendent of Game*
H. B. Watkins ... *Superintendent of Fisheries*
T. W. Dalkin ... *Director, Technical Division*
H. Soley ... *Asst. Director, Technical Division*
A. McCallum ... *Administrative Accountant*
H. E. Bennett ... *Asst. Administrative Accountant*
C. B. Kenway ... *Registrar*
Miss R. Lavallee ... *Personnel Officer*
Mrs. L. M. Brown ... *Stationery & Supplies*

EASTERN ROCKIES FOREST CONSERVATION BOARD

Major General Howard Kennedy,
C. B. E., M. C., B. Sc. *Chairman*
H. G. Jensen ... *Member*
A. T. Baker ... *Member*
G. Tunstell ... *Administrative Officer*

REPORT

OF THE

Department of Lands and Forests

1954 - 1955

HONOURABLE NORMAN WILLMORE,
Minister of Lands and Forests,
Edmonton, Alberta.

SIR:

I have the honour to present the Annual Report of the Department of Lands and Forests for the fiscal year ending March 31st, 1955.

During the year development of the resources administered by this Department continued to increase, and there was an orderly expansion of the Department to provide increased services to the public.

The demand for Public Lands continued high. Homestead leases, land sales and miscellaneous leases showed increases over last year. A new interest was shown in developing a glass industry from Peace River Sands.

The Provincial Parks have been provided with additional facilities to care for the rapidly increasing attendance during recent years.

To keep pace with the demand for land for agricultural purposes it has been necessary to extend our surveyed areas. Surveys have been made of eleven townships in the northern part of the province.

A close check has been made of areas where survey monuments have been damaged. Much less damage is now being done and a vigorous program of restoration of destroyed monuments established. The survey of the northern boundaries of the province was completed this year.

With the establishment of the Aerial Photographic Branch the sale of aerial photographs has been greatly increased.

The demand for Forest Products continues to increase. The forest inventory is nearly completed and management plans are being prepared for forest utilization. Fire protection equipment has again been increased and is now considered adequate for our present needs. Additional look-out towers have been built and the staff has been slightly increased. The Ranger School has been continued and other assistance

given to increase the efficiency of the forest staff to meet expanding service. Interest in a wider variety of uses of forest products continues, such as poplar plywood and pulp.

This has been the last year of the Capital Period of the Forest Reserves Agreement. The program of the Forest Conservation Board has been completed with the building of roads, look-out towers, ranger houses, etc., and with the fire-fighting equipment brought up to full strength and mechanized. Surveys of the area have been made of forest cover, of grazing, of soil conditions, and programs of management are being made for the various watersheds.

The growth of the Department may be estimated by the increase of 5% in the volume of mail handled and by the increase in the monies handled. The gross receipts for the year were $6,519,614.00, while the expenditures were $3,318,834.00.

Detailed reports of the Divisions follow.

All of which is respectfully submitted.

H. G. JENSEN,
Deputy Minister.

Edmonton, October 27th, 1955.

Public and School Lands Administration

REPORT OF THE DIRECTOR OF LANDS, V. A. WOOD

In the fiscal year under review there were 92,449 items of outgoing mail from this division compared to 82,250 items for the previous fiscal year. This is an increase of approximately 12 per cent and indicates an up-trend in the amount of work processed by the division.

There was no further clearing and breaking done under contract in the year 1954. Several units partially brushed and piled in township 82, ranges 10 and 11, west of the 6th meridian, were offered for sale and a few of these units were sold.

As a result of several meetings held with the lessees settled on the Wanham clearing and breaking project the lessees were granted the opportunity of relinquishing their homestead leases and obtaining a purchase contract. The purchase price for each unit was established on the basis of $25.00 per cultivated acre, payable in fifteen, annual instalments.

During the past fiscal year there has been increased oil development in the sparsely settled districts of the province, mainly in the Pembina and Sturgeon Lake areas. Most of the activity in these areas is on Crown lands, which has increased considerably the number of applications for rights of entry, for well sites, pipelines and other related land uses required for oil development purposes.

The newly surveyed portions of township 70, range 21, west of the 5th meridian and townships 83 and 84, ranges 11 and 12, west of the 6th meridian, were advertised available for homestead leases at a temporary sub-agency held in the town of Grande Prairie on June 24th, 1954. There were fifteen applications accepted at this temporary sub-agency. Since these lands became available further applications for homestead leases have been accepted. By public notice dated August 17th, 1954, certain lands in township 82, ranges 10 and 11, west of the 6th meridian, which were partially brushed and piled were made available for the acceptance of homestead leases with the proviso that the total value of improvements created on these lands must be paid for by the successful applicant for a homestead lease.

During the fiscal year surveys of the following townships were wholly or partially completed and it is intended to make available some of the lands for the acceptance of homestead leases in the late summer or early fall of 1955:

township 70, range 17, west of the 4th meridian

township 71, range 17, west of the 4th meridian

township 65, range 21, west of the 5th meridian

township 66, range 21, west of the 5th meridian

township 66, range 22, west of the 5th meridian

township 69, range 26, west of the 5th meridian

township 76, range 1, west of the 6th meridian

township 77, range 1, west of the 6th meridian

township 77, range 2, west of the 6th meridian

township 77, range 3, west of the 6th meridian

township 69, range 7, west of the 6th meridian

township 70, range 7, west of the 6th meridian

township 79, range 7, west of the 6th meridian

township 85, range 7, west of the 6th meridian

township 85, range 8, west of the 6th meridian

township 85, range 9, west of the 6th meridian

township 79, range 10, west of the 6th meridian

township 85, range 10, west of the 6th meridian

township 82, range 11, west of the 6th meridian

township 83, range 11, west of the 6th meridian

township 79, range 12, west of the 6th meridian

township 82, range 12, west of the 6th meridian

township 83, range 12, west of the 6th meridian

township 85, range 12, west of the 6th meridian

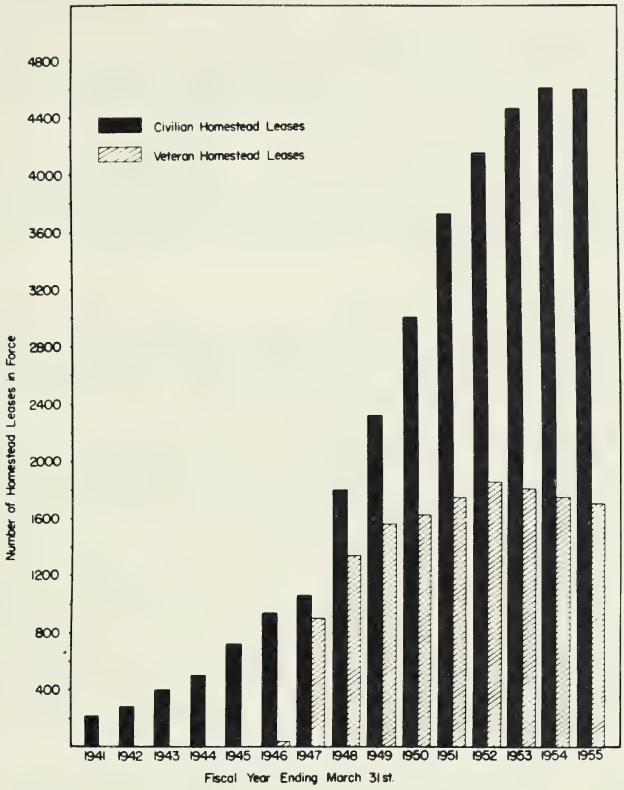
township 86, range 12, west of the 6th meridian

township 85, range 13, west of the 6th meridian

A total of 902 veteran and civilian homestead leases were issued during the fiscal year, an increase of 43 from the 859 issued for the previous fiscal year.

On March 25th, 1939, the granting of homesteads was discontinued and was replaced by the establishment of agricultural lease regulations. The first "agricultural lease" which is now designated "homestead lease" was issued on September 1st, 1940. Since that time the number of leases

in force has been increasing until this year when a greater number of leases were patented and more leases were cancelled due mainly to the inability of lessees to continue farming because of inclement weather conditions. The accompanying diagram shows the number of leases in force.



ORDERS-IN-COUNCIL

The following are a few of the more important orders-in-council pertaining to the Lands Division which were passed during the fiscal year.

O.C. 869-54, June 11, 1954.

This order-in-council authorized the issue of a surface lease to Can-Amer Oil Sands Development Ltd. and Mill Creek Oil Company, Limited, in connection with their operations for the recovery of bituminous sands.

O.C. 870-54, June 11, 1954.

This order-in-council authorized the Minister to enter into a sand prospecting permit with the Peace River Glass Company Limited for the purposes of exploring and searching for silica sand on an area of 2,779.80 acres in townships 84 and 85, range 21, west of the 5th meridian, lying near Peace River.

O.C. 1049-54, July 26, 1954.

This order-in-council authorized the Minister to enter into a special surface lease with the Canada Cement Company Limited for the manufacture of cement and other purposes incidental thereto.

O.C. 1379-54, October 12, 1954.

This order-in-council amended the regulations established covering the removal of sand and gravel from public lands, including beds of rivers, by granting the Minister the right to authorize sand and gravel required for public roads or other public works, to be removed from lands held under sand and gravel lease.

O.C. 1432-54, October 18, 1954.

This order-in-council authorized the issue of a special lease for grass and legume seed crop production purposes to Edward C. Lonsdale. The lands affected are in township 108, ranges 17 and 18, west of the 5th meridian, containing 18,408 acres.

O.C. 283-55, February 28, 1955.

By this order-in-council authority was granted to enter into a silica sand lease with the Peace River Glass Company, Limited, for the purpose of removal of silica sand and operations incidental thereto.

CROP CONDITIONS

The 1954 crop season was one of the wettest and most backward on record. Rains held up seeding to such an extent that it was impossible to seed wheat in some districts and course grains in other districts and further, much of the land was too wet to summerfallow. There were no definite dates established for the seeding of crops due to the great variation in all districts, however, general seeding was at its height during May 24th to June 8th.

Harvesting operations commenced in September and continued into October. The yield decreased from 1953 by thirty per cent to fifty per cent and crop share payments were correspondingly reduced. Only in the southeastern portion of the province did wheat grade number one and number two; for the balance of the Province grades of number five and number six were common. Barley and oats were graded feed and in some cases the crop was so light that it was not worth harvesting.

Prices estimated by the Canadian Wheat Board for the crop year commencing August 1st, 1954, basis in store at Fort William for Number One grades were as follows:

Wheat	$1.40
Oats	.65
Barley	.98

Flax and rye were again sold on the open market and prices for 1CW flax were $2.46 1/2 as at August 1st, 1954 and $2.67 as at December 1st, 1954. Rye 2CW was 79 1/2¢ and 97¢ on the same dates.

In 1954, yields of less than 4 bushels per acre for wheat, 5 bushels of oats, barley and rye, 3 bushels of flax, and other crops where the value of the yield was less than $4.50 per acre, were considered a failure.

Adjustments were generally below 1953 due to the decrease in markets, higher handling charges and long periods of storage.

Prices paid for grass seed increased over 1953 but were still below the 1951 and 1952 quotations.

Final returns and crop share settlements are becoming increasingly difficult due mainly to the quota system and to a lesser degree due to the use of combines which do not have tally records.

SALES OF LAND

During the fiscal year a total of 367 parcels of school and public lands were offered for sale by public auction. 180 of these parcels were public lands and of this number 138 parcels were sold. Lands located in areas reserved from settlement were not offered for sale. In the settlement area only school lands and lands unsuitable for homesteads, were offered for sale.

The average price received for the public and school lands sold was $16.50 per acre, which is the same as the average price for the previous fiscal year. The highest price paid for a parcel of public land was $65.00 per acre at the Coutts sale, and for school land was $105.50 per acre at the Barrhead sale.

SUB-AGENCIES

Public land sub-agencies were maintained at Bonnyville, Lac La Biche, Peace River, Edson, Rocky Mountain House and Grande Prairie. The Office of Information in Calgary was also continued.

Temporary sub-agencies for one or two days a month were continued at High Prairie, Spirit River, Bonanza, Cherry Point, Hines Creek and Fort Vermilion.

INSPECTIONS

The inspection work was carried out by fourteen permanent and five temporary inspectors. During the winter and early spring, when unable to work in the field, the permanent inspectors prepared lists of land to be offered for sale by public auction and assisted in other office work. Inspectors also conducted the auction sales of school and public lands.

The following is a summary of field inspections:

Soil Survey (Applications for homestead leases):	
Requests outstanding at April 1st, 1954	512
No. of reports called during fiscal year	1316
No. of reports received during the fiscal year	1412
Reports outstanding at March 31st, 1955	416
General, Grazing and School Lands:	
Requests outstanding at April 1st, 1954	1438
No. of reports called during fiscal year	3793
No. of reports received during fiscal year	3917
Reports outstanding at March 31st, 1955	1314

COLLECTIONS

The Inspector of Collections commenced his work in the field early in April and continued working until late in December. Approximately the same number of calls were made in this fiscal year as were made in the previous year, namely 575. As a result of these calls 537 collections were made totalling $37,369.56. Some 16,000 miles were travelled during th e inspection season covering all parts of the Province except the Peace River area. During the winter, arrangements were made by the inspector of collections for the holding of sales of Crown lands. A considerable number of repeat calls were necessary as many of the lessees were absent working in the oil fields and on other jobs.

The inspector of collections received a large number of grain storage tickets clearing up several old accounts but his work was hindered by grain still held on the farms and the movement of lessees seeking employment to subsidize their farming operations.

The following is a summary of other business transacted:

ACCRUED AREA LEASES	Number	Area in Acres
Leases in force at April 1, 1954	791	46,884.30
Leases issued during fiscal year	45	2,501.20
Leases cancelled during fiscal year	51	2,708.95
Leases in force at March 31, 1955	785	46,676.55

HOMESTEAD LEASES - CIVILIAN		
Leases in force at April 1, 1954	4,609	1,082,367.81
Leases issued during fiscal year	791	204,700.17
Leases cancelled during fiscal year	673	168,004.32
Leases patented during fiscal year	142	28,458.26
Leases in force at March 31, 1955	4,585	1,090,605.40

HOMESTEAD LEASES - VETERAN		
Leases in force at April 1, 1954	1,742	474,343.93
Leases issued during fiscal year	111	30,200.54
Leases cancelled during fiscal year	88	24,475.69
Leases patented during fiscal year	74	18,003.57
Leases in force at March 31, 1955	1,691	462,065.21

CLEARING PROJECT LEASES INCLUDED IN THE ABOVE TWO SECTIONS AT MARCH 31, 1955.	Number	Area in Acres
Civilian	55	17,660.01
Veteran	166	53,189.06
Total	221	70,849.07

LICENSES OF OCCUPATION

Licenses in force at April 1, 1954	327	8,717.39
Licenses issued during fiscal year	42	543.89
Licenses cancelled during fiscal year	19	1,355.71
Licenses in force at March 31, 1955	350	7,905.57

MISCELLANEOUS LEASES

Leases in force at April 1, 1954	261	16,139.50
Leases issued during fiscal year	35	32,177.81
Leases cancelled during fiscal year	28	614.46
Leases in force at March 31, 1955	268	47,702.85

(Includes 2 Seed Crop Leases not previously shown)

TOWNSITE LEASES

Leases in force at April 1, 1954	3	45.70
Leases issued during fiscal year	3	744.63
Leases cancelled during fiscal year	0	———
Leases in force at March 31, 1955	6	790.33

MINERAL SURFACE LEASES

Leases in force at April 1, 1954	12	17,998.52
Leases issued during fiscal year	0	———
Leases cancelled during fiscal year	1	36.25
Leases in force at March 31, 1955	11	17,962.27

FUR FARM LEASES

Leases in force at April 1, 1954	4	929.30
Leases issued during fiscal year	0	———
Leases cancelled during fiscal year	0	———
Leases in force at March 31, 1955	4	929.30

CULTIVATION LEASES

Leases in force at April 1, 1954	583	113,778.60
Leases issued during fiscal year	284	66,218.55
Leases cancelled during fiscal year	46	8,503.14
Leases in force at March 31, 1955	821	171,494.01

Includes 228 leases, with an area of 55,248.78 acres, transferred from the Special Areas during the fiscal year.

PUBLIC LAND SALES	Number	Area in Acres
Sales in force at April 1, 1954	784	99,994.07
Sales granted during fiscal year	256	31,414.23
Sales cancelled during fiscal year	12	1,771.87
Sales patented during fiscal year	146	13,112.57
Sales in force at March 31, 1955	882	116,523.86

ROAD ALLOWANCE LEASES		
Leases in force at April 1, 1954	1,156	56,356.38
Leases issued during fiscal year	98	4,096.39
Leases cancelled during fiscal year	47	1,955.32
Leases in force at March 31, 1955	1,207	58,497.45

RIGHTS OF ENTRY	
Rights of Entry in force at April 1, 1954	531
Applications received during fiscal year	800
Rights of entry cancelled during fiscal year	96
Rights of entry granted during fiscal year	135
Applications pending at March 31, 1955	955
Rights of entry in force at March 31, 1955	570

EASEMENTS	
Leases in force at April 1, 1954	95
Leases issued during fiscal year	77
Leases cancelled during fiscal year	1
Leases in force at March 31, 1955	171

QUARRYING LEASES	
Leases in force at April 1, 1954	20
Leases issued during fiscal year	0
Leases cancelled during fiscal year	1
Leases in force at March 31, 1955	19

These quarrying leases cover sand and gravel only.

SAND AND GRAVEL LEASES	
Leases in force at April 1, 1954	104
Leases issued during fiscal year	35
Leases cancelled during fiscal year	6
Leases in force at March 31, 1955	133

NOTIFICATIONS FOR TITLE (Homesteads and Soldier Grant Entries)	Number	Area in Acres
Applications for Notification for Title on hand April 1, 1954	50	
Applications for Title received during fiscal year	1	
Notifications for Title issued during fiscal year	7	
Applications on hand (Checked and waiting completion)	44	
Unpatented Homesteads and Soldier Grants	44	

MISCELLANEOUS PERMITS

Issued during fiscal year	790	

MISCELLANEOUS PERMITS (TRAPPERS CABINS)

Issued during fiscal year	217	

GRAZING PERMITS

Issued	1,283	218,614.89

CULTIVATION PERMITS

Issued	56	1,387.10

HAY PERMITS

Issued	419
(Total number of tons - 6,084)	

HAY SEIZURES

Seizures	Nil

SAND AND GRAVEL PERMITS

Issued	27
(Total extraction 48,975 yards)	

SAND AND GRAVEL RESERVATIONS

To Department of Highways, Municipal Districts and Cities	203
(For calendar year total extraction 799,131 yards)	
To Government of Canada	13
(For calendar year total extraction 117,779 yards)	

ASSIGNMENTS REGISTERED

(Leases, Permits and Sales)	240

GRAZING

As in former years the regular duties of grazing lease renewal, investigation of complaints and determination of grazing capacity were undertaken by the grazing appraiser and his assistant.

The work of re-checking the grazing capacity of individual ranches was also carried on. A number of ranches in the south-eastern part of the Province, the Mannyberries district, were inspected and in some the grazing capacities of certain fields which were lowered some years ago to 60 acres per head to allow them to recover from a period of over-use were increased as it was considered that recovery to original grazing capacity had been achieved.

Inspections were also made of a number of grazing associations while the inspector was in the district where they were located. Some of the officers were interviewed, and suggestions were made as to improvements in grazing practices and also matters requiring departmental assistance were discussed.

In late August, the annual trip to the Peace River country was taken and a number of lands held under long term grazing lease or grazing permit were inspected. At the present time all lands in the Peace River region, unless already inspected, have been set at a flat grazing capacity of 60 acres per head, per 12 months grazing period. This figure includes a shrinkage allowance due to the long haul to market. Actually the season is short and livestock shipped by train or truck experience shrinkages in weight double that experienced in the south.

A number of applications for assistance were inspected under the range improvement program. These included water development for stock-watering purposes and re-grassing work. Wherever requested, information was provided regarding kind of seed to plant, time and rate of seeding.

As in previous years, observations were made to check on the possible invasion of noxious weeds into Alberta rangelands from surrounding regions. From a recent report received from the Kamloops Range Experiment Station, a poisonous plant called St. Johnswort, which has spread widely in the States of Washington, Idaho and Western Montana, has now invaded southern British Columbia to a considerable extent. Now that it has done so, there is a possibility that it may invade the mountainous portions of western Alberta and an attempt will be made to detect its arrival as quickly as possible, so that control measures can be undertaken.

In view of the favourable moisture situation for the 1954 season and the three previous years, grazing conditions were never better. A favourable period of such duration is indeed unique in the memory of living stockmen. Without detracting from the generous hand of a munificent Providence, the grass conservation program initiated at the time of the new rental system, did contribute something toward the excellent grass cover by demonstrating to stockmen the importance of keeping a carryover of grass from year to year.

The range improvement assistance policy, to provide assistance by way of rebate of rental for re-grassing and the development of water potentials, begun by the Department in 1952 is becoming more widely known and appreciated. Seven applications were dealt with during 1954 as well as numerous inquiries regarding possible developments.

The average price for all grades of cattle, except fed calves, choice steers and choice heifers sold on the Calgary market during the period July 1st to December 31st, 1954, was 14.07¢ per pound, as compared to 14.59¢ per pound for the same period in 1953. Accordingly the rental and taxes per acre for the period from January 1st to December 31st, 1955, on grazing leases and from April 1st, 1955 to March 31st, 1956, on grazing permits were reduced from 1954 as follows:

	1954	1955
One head to 24 acres	19¢	18 1/4¢
One head to 32 acres	14¢	13 3/4¢
One head to 40 acres	11 1/2¢	11¢
One head to 50 acres	9¢	8 3/4¢
One head to 60 acres	7 1/2¢	7 1/4¢

In January, 1955, approximately eleven townships were withdrawn from the special areas in the Consort and Hanna districts and Crown lands located in these townships were transferred to this Department for administration from the Department of Municipal Affairs. Consequently ninety-nine grazing leases and twenty grazing permits came under the jurisdiction of this department.

In the Special Areas the rental rate is based on eight per cent of the forage value as compared to twelve and one-half per cent outside of the Special Areas. This lower rate is to be maintained for the present for these lands formerly included in Bow West Special Area Number Four and the area formerly in the Special Areas in the Consort and Hanna districts.

The grazing rentals on a head tax basis for 1955 on provincial grazing reserves were as follows:

Horses	$1.40 per head, per month
Cattle	1.20 per head, per month
Sheep	0.10 per head, per month

Where no caretaker or other facilities are provided by the department, grazing rental on a head-tax basis is as follows:

Horses	50¢ per head, per month
Cattle	40¢ per head, per month
Sheep	8¢ per head, per month

There were twenty-five departmental grazing reserves under long term grazing leases by associations and two community pastures in operation in 1954 as well as four long term grazing leases by associations in the process of formation.

The following is a summary of the Grazing Reserves and Community Pastures.

DEPARTMENTAL RESERVES (Permanent Caretakers)

Twin River Provincial Grazing Reserve

The Twin River Provincial Grazing Reserve comprises an area of 21,388 acres with 24 1/2 miles of fencing. Six miles of fence on the south boundary of the reserve were completely rebuilt.

In 1954, thirty-seven permits were issued to provide for the grazing of 1,275 cattle for a six-month period. The caretaker was resident on the reserve during the full grazing season, May 1st to November 1st and his services were very satisfactory. The permit holders expressed satisfaction in the way the new caretaker handled stock placed on the reserve.

Vauxhall Provincial Grazing Reserve

The area of the Vauxhall Provincial Grazing Reserve available for allotment in 1954 was approximately 110,000 acres with 57 3/4 miles of two, three and four wire fencing belonging to the Department. The area which was formerly dealt with as a reserve and administered by a permanent caretaker was turned over to the Vauxhall Grazing Association during 1953. The said association operated during 1954 in the same manner as an association lease. The area of this reserve was again reduced during 1954 by the expansion of the Bow River Irrigation Project.

On lands surrounding the area held by the Vauxhall Grazing Association allotments were made to individuals in 1954 on a similar basis as that followed in previous years.

RESERVES HANDLED BY ASSOCIATIONS (Association responsible for upkeep and care of the stock)

Grazing Reserves under long term grazing leases by associations

Name of Grazing Reserve	Area in Acres
Big Four Lease Association, Armada	3,036
Blackfoot Grazing Association, North Cooking Lake	24,613
B.T. Grazing Co-operative Ltd., Hilda	26,350
M.D. of Bow Island, Bow Island	24,365
Bluefield Grazing Association, Elkwater	11,602
Bowell West Grazing Association, Bowell	8,171
Cresthill Farmers Community Association, Chauvin	14,271
Chauvin District Grazing Association, Chauvin	1,113
Comrey Grazing Association, Comrey	29,953
Castle River Stock Association, Beaver Mines	6,158
Deimuth Lease Association, Turin	1,477
Dunn Lake Cattle Association, Edgerton	3,595
Drowning Ford Grazing Association, Medicine Hat	33,069
Fir Grove Stock Association, Bellevue	3,750
Green Prairie Grazing Group, Armada	2,875
Lakes Grazing Association, Czar	1,906
Many Island Lake Grazing Association, Lea Park	8,651
Nemiscam Community Pasture Assocation, Nemiscam	4,780
Pipeline Grazing Association, Bowell	23,174
Poll Haven Community Pasture, Mountain View	10,462
Rocky Coulee Grazing Association, Bowell	4,432
Tide Lake Grazing Association, Jenner	14,343
Ross Lake Community Pasture, Owendale	4,473
Tulliby Lake Stockman's Association, Marwayne	13,989

When the Bow West Special Area was dissolved in 1954 two Special Area Grazing Reserves, Lomond and Majorville, were turned over to this department for administration. The two reserves were amalgamated in the spring of 1954 and the former members formed their own association on the understanding that they would take the land area over as a lease. They operated in 1954 under a letter of authority and will obtain a lease on the area during 1955.

The Buffalo Park Grazing Association operating at Wainwright made use of grazing facilities on the military camp area at Wainwright and secured grazing privileges of 9,175 cattle months, 72 horse months and 1,060 sheep months during 1954. The arrangement for obtaining grazing privileges in this area is in accordance with an agreement between the Department of National Defence, the Buffalo Park Grazing Association and this Department. Rental paid for grazing obtained and hay cut is applied to the Department of National Defence's rental account with this Department.

Long-term Grazing Leases

	Number	Area in Acres
Leases in force at April 1, 1954	2,084	2,901,675.30
Leases issued during fiscal year	310	337,916.52
Leases renewed during fiscal year	76	40,700.77
Leases cancelled during fiscal year	69	205,986.15
Leases in force at March 31, 1955	2,325	3,033,605.67
Includes leases transferred from Special Areas	165	99,940.79

The problem of the wild horse situation in the Brazeau-Athabasca area was dealt with and two individuals were authorized by the Department to round-up and seize stock found grazing without authority on Crown land. The round-up resulted in approximately 40 Head Tax Grazing Permits being issued for 1954 and 1955.

Details pertaining to the revenue in connection with the administration of public lands may be found in the report of the accounting division of this department.

NOTE: The term "leases cancelled during fiscal year" includes leases which expired.

SCHOOL LANDS

There were 187 parcels of school lands listed for sale by public auction, of which 159 were sold. This is twenty-five more than were offered for sale in the previous year and the proportion of parcels sold was greater than in the previous year. The amount collected on new school land sales during the fiscal year was $56,069.20.

The total revenue derived from school land sale accounts during the fiscal year was:

Principal	$361,813.38
Interest	$ 66,977.96
Total	$428,791.34

The following is a summary of other school land business transacted:

SCHOOL LAND SALES	Number	Area in Acres
Sales in force at April 1, 1954	1,806	278,706.50
Sales granted during fiscal year	167	24,666.73
Sales patented during fiscal year	79	10,380.98
Sales cancelled during fiscal year	19	3,163.87
Sales in force at March 31, 1955	1,875	289,828.38

MISCELLANEOUS LEASES		
Leases in force at April 1, 1954	74	3,146.70
Leases issued during fiscal year	5	186.50
Leases cancelled during fiscal year	8	642.14
Leases in force at March 31, 1955	71	2,691.06

LICENSES OF OCCUPATION		
Licenses in force at April 1, 1954	69	558.43
Licenses issued during fiscal year	1	1.05
Licenses cancelled during fiscal year	1	2.02
Licenses in force at March 31, 1955	69	557.46

CULTIVATION LEASES		
Leases in force at April 1, 1954	1,176	237,335.11
Leases issued during fiscal year	47	9,067.14
Leases cancelled during fiscal year	49	9,247.01
Leases in force at March 31, 1955	1,174	237,185.24

Includes 16 leases with an area of 3,141.99 acres, transferred from the Special Areas during the fiscal year.

GRAZING PERMITS		
Issued during fiscal year	1,529	440,521.73

CULTIVATION PERMITS		
Issued during fiscal year	33	1,010.00

HAY PERMITS	
Permits issued	83
(Total number of tons - 1,201)	

HAY SEIZURES	
Seizures	Nil

ASSIGNMENTS REGISTERED	
Leases, Permits and Sales	122

Statement of revenue pertaining to School Lands may be found in the report of the Accounting Division.

NOTE: The term "leases cancelled during fiscal year" includes leases which expired.

STAFF:

There have been no further changes in the office staff organization of this division during the fiscal year. The five groups formed under a re-organization plan during the previous year has proven effective.

In order to more effectively carry out the inspection work the province was divided into five districts. An inspector was placed as supervisor of each district whose duty it is to supervise all of the inspectors and inspection work for the respective district.

Co-operation and faithful service of the lands branch staff was again appreciated.

On April 15th, 1954, Mr. Daniel Stafford Jackson died after a prolonged illness. Mr. Jackson was a valued member of the staff of the department and is missed not only as a fellow worker but also for his unfailing friendliness and cheerfulness.

Forestry

REPORT OF THE DIRECTOR OF FORESTRY
E. S. HUESTIS

FIRE

The fall of snow during the latter part of the winter, and rains during spring and summer made it one of the heaviest precipitation years on record, but due to lack of uniformity some areas experienced extreme flood conditions while others suffered from drought. Except for a dry period in May, the south, central, and part of the northern portions were in the heavy precipitation area. The northern part of the province received little relief from drought conditions until September, when moderate rains were obtained.

Suppressive action was taken on 85 fires. Of these fires 49, (57.6%) originated in the Forest Zone and 36, (42.2%) in the Settlement Zone. A total of 128,877 acres were burned over, consisting of 57,869 acres of forested land and 71,008 acres of non-forested land.

Principle causes were campers, responsible for 36.5%, settlers 17.6%, and smokers 11.8%, forming 65.9% of all fires. The increase in cause by settlers from a previous 10.7% may be attributed to the increased activity in land clearing in the northern areas where the majority of settler's fires occurred. Principle causes showing improvement are Incendiary declining from a previous 12.9% to 1.2%. Railways declined from 11.4% to 3.5%.

The lookout system was improved and the visible area increased by construction of seven new towers. Five of these generally extended into the northern areas previously without tower cover and two augmenting present ones in the more central part of the province. As construction of the towers was not completed until late fall full benefit was not realized during the season under review.

Listed below are the number of fires reported by the different agencies indicating very good co-operation from the general public and others:

Forest Officers	Lookout Towers	Public	Railway	Aircraft
21	17	38	3	6
Percentage				
24.7%	20.0%	44.7%	3.5%	7.1%

A total of 38 prosecutions were instigated by the Forest Service under Part III of The Forests Act and 36 convictions obtained.

A considerable increase was made in light fire-fighting equipment, including fire pumps. Increase in heavier equipment included purchase of additional light, track-type tractors, road graders, ranger patrol trucks, wagons and trailers. An additional power tobbogan was obtained in order to continue experiments in uses of various types of track vehicles.

A general improvement in fire suppression was made possible by further increases in ranger staff, lookout towers and employment of temporary patrolmen to supplement the permanent ranger staff. As a further measure to increase protection, six, four-man, standby crews for initial action on fires were employed.

The appreciable decrease in number of fires and burned over area was no doubt due in part to ample moisture conditions prevailing over a large part of the protected area. The increase in staff and the use of standby crews greatly assisted in gaining control of fires in their early stages and can be credited to a large extent for the decrease in burned area.

Although hampered by extremely wet soil conditions in some areas, a heavy program of construction and maintenance of roads, trails, towers and associated buildings was carried out by the field staff when fire conditions were favourable. In the matter of tower construction a marked departure from previous towers was made by replacing the wooden cupolas by all metal ones built to our own specifications.

TIMBER

There was an increase in the number of active timber operations on vacant provincial lands and an increase in the production of lumber and other forest products.

The export lumber market was good and in spite of stormy weather during the building season the local market was very good. There was very little change in prices of forest products on the export and local markets.

There was an increased demand for poplar logs for manufacture into lumber and plywood.

The two experimental marking operations mentioned last year are still active. These are located in the Slave Lake and Lac La Biche divisions.

Experimental log scaling was conducted during the winter on a large timber berth in the Clearwater Forest north and west of Rocky Mountain House.

There was increased activity in research by the Dominion Government in co-operation with this Department in forest entomology, forest pathology, wood utilization and technology and in technical forestry. A number of permanent sample plots were established in the vicinity of Mercoal by the Pathology Branch. Two of these plots are for studying the effects of red belt on pine and to investigate a cancerous condition on trees in the plots. The Dominion Forest Service continued their strip-cutting studies in over-mature pine on a small area in the Whitecourt Division south of Niton. On a clear-cut area in the Crowsnest Forest, south and west of Burmis, slash is being removed by broadcast burning, and windrowing and burning, to eliminate logging slash and encourage better spruce regeneration. A study of butt rot is being carried out in a white spruce stand in the Slave Lake Division.

An essential step towards forest management on a sustained yield is to balance depletion with growth of our forest resources. The year under review saw the completion of an initial phase, that is to initiate some measure of control of depletion through cutting. The inventoried portion of the forest area south of the 57th parallel excluding the East Slopes Conservation Area and Indian Reserves was divided into 49 management units averaging 1,500 square miles. Of these, 34 units were considered to require immediate attention as to regulation of the amount of timber being cut based on inventory information. A total allowable annual depletion that could be permitted on a sustained yield basis was calculated by species for each of the 34 units. These figures are based on area, rotation and growth rate by cover types. From these, deductions were made for fire losses, decay, cull, etc. The balance was considered to be the amount which could be cut.

The results have shown that our past losses through fire alone have been greater than the growth for a few of the Management Unit areas. This has emphasized the greater need for increased fire protection to maintain our white spruce lumber industry in this Province.

FOREST SURVEYS

This is the fourth year of the agreement between the Provincial and Dominion Governments under the Canada Forestry Act whereby the Government of Canada agrees to pay 50% of the costs of the Forest Inventory.

Medium scale photography, 1 to 15840, covered 5612 square miles. The area covered was a little larger than the amount estimated due to the work being fill-in photography which overlapped the previous work to some extent.

Due to changes in forest cover caused by fire, cutting and oil development in forest areas, it has been necessary to re-photograph in order to maintain the inventory. During the year 1468 square miles were re-photographed for this purpose.

All field work required for volume data and photo interpretation has been completed for the provincial forest inventory. Three parties were in the field during the summer months of 1954. One party of five men was taken by air to the more inaccessible areas in the forest of Birch Hills and Caribou Mountains. One party of eight men operated in areas adjacent to the McKenzie Highway. The third party of five men sampled areas adjacent to and accessible by boat from the Athabasca River.

Photo interpretation has all been completed. This phase of the inventory has developed much faster than expected because a large amount of the northern portion of the province has been denuded of forest growth by fire.

In connection with planning, as was reported last year, a start in co-operation with the Lands Division and the Soil Surveys of the Alberta Research Council has been made in classifying forest and farm land. During the year, land form maps for over 15,000 square miles were

prepared which will be used by the Soil Surveys to spot check the soils by helicopter to develop land use maps.

Key maps, "Boundary of Inventory Area 1320' - 1" area photography", "Progress of Alberta Forest Inventory" and "Map of Management Units", are appended.

RADIO

The reorganization of the Radio Branch, by placing technicians in the Grande Prairie and Edson Divisions, was tested during the year and proved satisfactory. It provided improved servicing for the radio equipment in these areas.

With the acquisition of additional frequencies, the Communications System is being reorganized to provide a separate frequency for each division. This will allow for much greater use of radio equipment during the fire hazard periods by each division.

A visit was made to Saskatchewan and it was decided to try the lower frequencies on a divisional basis. The frequency 1616 Kc/s was secured from Department of Transport and preparations to install this frequency in the Whitecourt Division were initiated.

The installation of radio control for the remotely operated transmitters and receivers was completed and the line leases were cancelled.

The Breton Division has been changed over to VHF frequency modulated equipment and is now tied-in through the East Slope network.

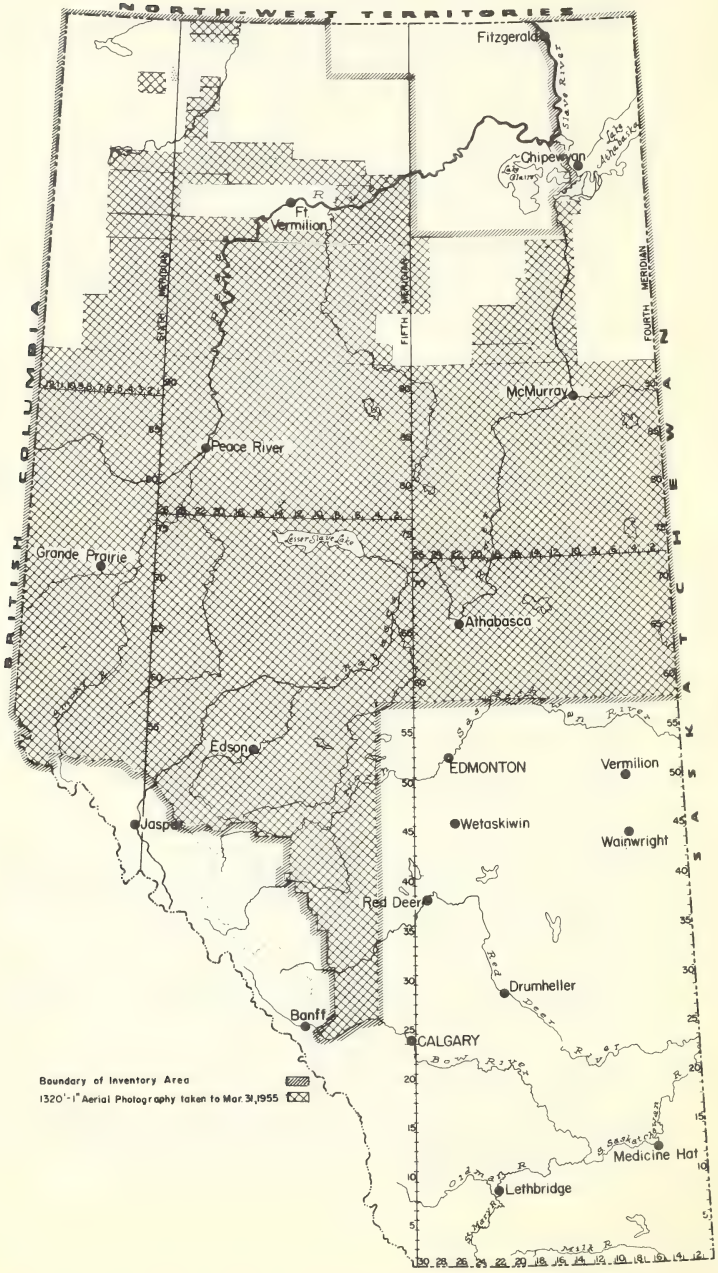
Seven new towers were radio-equipped during the year in the Northern Alberta Forest Division and provision is being made for additional portable and mobile equipment to cover increased demands for radio coverage.

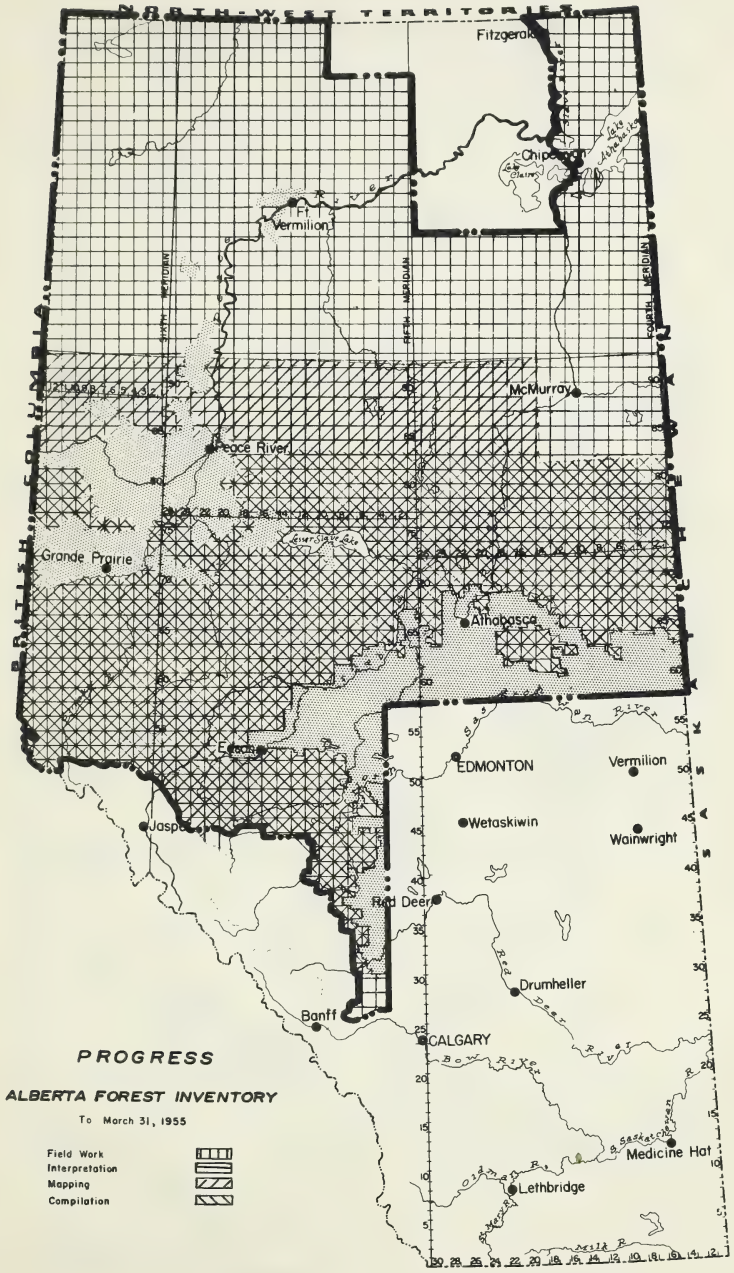
The East Slope network was increased by the addition of six new towers, three mobiles and eight portables. It is also being made more flexible by the introduction of an additional frequency at the terminal stations. This work is not yet completed.

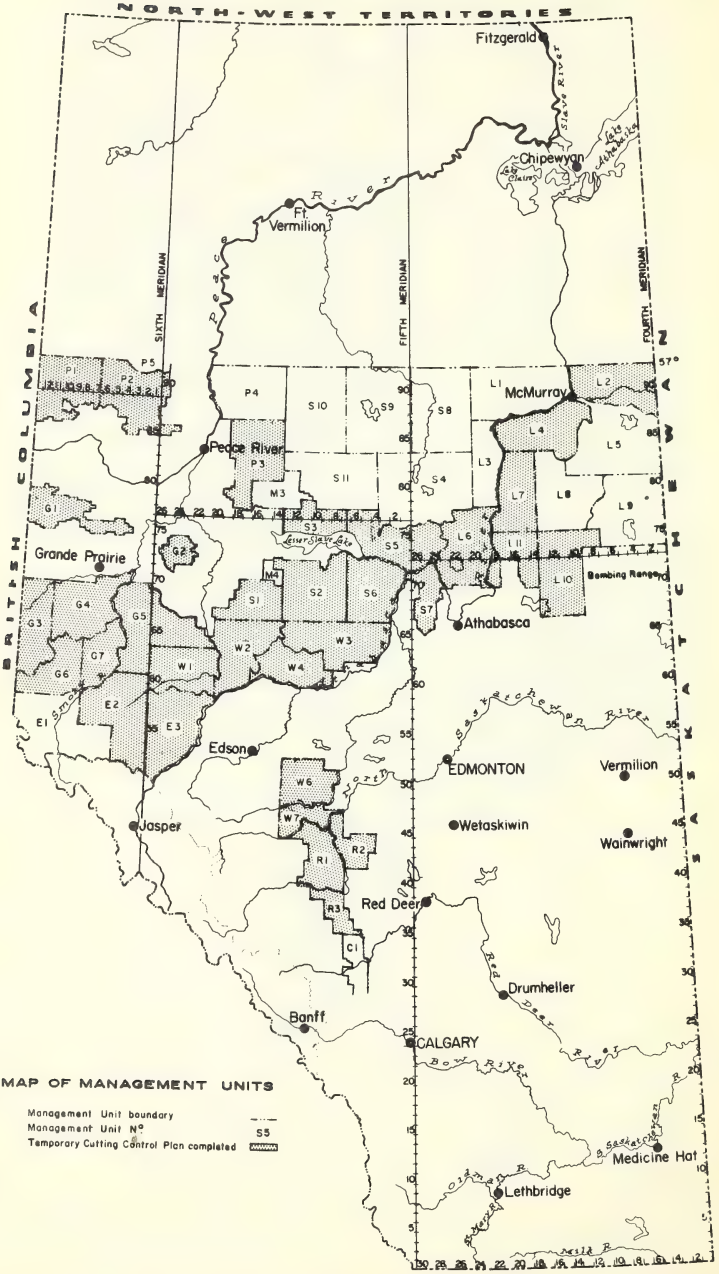
GENERAL

The Alberta Forestry Training School conducted its fourth year of instruction at the Dominion Government Kananaskis Forest Experimental Station. To the end of the year 80 forest officers have attended the school since its establishment in 1951. The school provides forest officers in a thorough grounding in all aspects of administration as well as a practical grounding in such phases of forestry as silviculture, management, surveying, forest protection and forest mensuration. Approximately one half of the work is in a classroom and one half in field practices.

A total of 433 applications for timber berths and special timber permits were mapped by the photogrammetric section during the year at a scale of 4" to 1 mile. In addition maps were prepared covering several proposed departmental sales. Altogether a total of 6,000 acres were mapped. Information was also supplied regarding forest cover on lands proposed for homestead lease and sale of 94 parcels of land.


NORTH-WEST TERRITORIES
Fitzgerald
Slave River
Chipewyan
Alta.
Sask.
Fort Vermilion
Peace River
McMurray
Grande Prairie
Athabasca
Edson
EDMONTON
Vermilion
Wetaskiwin
Wainwright
Jasper
Red Deer
Drumheller
Banff
CALGARY
Medicine Hat
Lethbridge
BRITISH COLUMBIA
ALBERTA
SIXTH MERIDIAN
FIFTH MERIDIAN
FOURTH MERIDIAN
Boundary of Inventory Area
1320'-1" Aerial Photography taken to Mar. 31, 1955


NORTH-WEST TERRITORIES
Fitzgerald
Chipewyan
Vermilion
McMurray
Peace River
Grande Prairie
Athabasca
EDMONTON
Vermilion
Wetaskiwin
Wainwright
Jasper
Red Deer
Drumheller
Banff
CALGARY
Medicine Hat
Lethbridge
PROGRESS
ALBERTA FOREST INVENTORY
To March 31, 1955
Field Work
Interpretation
Mapping
Compilation


NORTH-WEST TERRITORIES
Fitzgerald
Slave River
Chipewyan
Ft Vermilion
Peace River
SIXTH MERIDIAN
FIFTH MERIDIAN
FOURTH MERIDIAN
BRITISH COLUMBIA
ALBERTA
McMurray
Peace River
Grande Prairie
Athabasca
Bombing Range
Edson
EDMONTON
Vermilion
Wetaskiwin
Wainwright
Jasper
Red Deer
Drumheller
Banff
CALGARY
Medicine Hat
Lethbridge
MAP OF MANAGEMENT UNITS
Management Unit boundary
Management Unit N°
Temporary Cutting Control Plan completed
S5

FIRE SUPPRESSION

During the fire season of 1954 a total of 85 fires were dealt with as shown below in classes:

19 Class "A" or small fires (less than 1/4 of an acre)

27 Class "B" fires (over 1/2 up to 10 acres)

13 Class "C" fires (over 10 acres up to 100 acres)

9 Class "D" fires (over 100 acres to 500 acres)

17 Class "E" (over 500 acres)

RAILWAY FIRE LOSSES, CALENDAR YEAR 1954

CAUSES AND NUMBER OF FIRES:		
Railway Causes -		
Locomotives		1
	Total	1
KNOWN CAUSES OTHER THAN RAILWAY		
Campers and Travellers		
	Total	1
UNKNOWN CAUSES	Total	1
	Grand Total	3

NUMBER OF ACRES BURNED	
Slashing or Old	Nil
Timber Land	Nil
Young Growth	Nil
Non-forested	201.8
Other Property	60.0
Total	261.8

LOSS	
Timber	Nil
Young Growth	Nil
Forest Products	Nil
Other Property	270.00
Total	$270.00

COMPARISON OF FIRE CAUSES BY PERCENTAGES
FOR THE YEARS 1943 TO 1954 INCLUSIVE

CAUSE	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954
Campers	26.8	24.0	18.7	14.9	15.5	29.9	21.4	23.8	16.7	25.0	40.0	36.5
Smokers	7.5	6.5	8.8	5.5	6.6	12.5	9.6	10.1	23.8	9.4	10.0	11.8
Settlers	12.4	14.5	15.1	10.5	7.4	10.9	23.6	14.9	19.0	12.5	10.7	17.6
Railways	23.0	16.0	12.0	21.1	32.8	15.2	8.9	10.9	10.7	17.7	11.4	3.5
Lightning	0.4	3.4	6.0	4.4	4.1	3.8	6.8	8.9	8.3	3.1	5.0	5.9
Industrial Operations	1.9	3.6	3.5	9.5	4.9	8.7	3.5	4.0	6.0	7.8	2.9	7.1
Incendiary	5.7	6.8	6.0	2.9	4.1	2.7	7.3	8.0	8.3	12.0	12.9	1.2
Public Works	0.4	—	0.4	—	—	—	1.6	1.2	—	—	0.7	4.7
Unclassified	7.5	6.5	13.4	6.9	0.8	0.6	3.9	6.9	6.0	4.2	2.2	2.3
Unknown	14.4	18.7	16.1	24.3	23.8	15.7	13.4	11.3	1.2	8.3	4.2	9.4

COMPARISON OF FIRE LOSSES AND CAUSES
BY PERCENTAGES FOR THE YEAR 1954

	Number of Fires	Merchantable Timber Losses Acres	Total Acreage Burned
	%	%	%
Campers	36.5	92.2	84.3
Smokers	11.8	0.7	1.4
Settlers	17.6	0.6	6.5
Railways	3.5	Nil	0.1
Lightning	5.9	6.1	5.8
Industrial Operations	7.1	Nil	Nil
Incendiary	1.2	Nil	0.1
Public Works	4.7	0.4	0.1
Unclassified	2.3	Nil	Nil
Unknown	9.4	Nil	1.7

SUMMARY SHOWING TOTAL NUMBER OF FIRES AND BURNT OVER AREAS
FROM 1943 to 1954 INCLUSIVE

YEAR	TOTAL FIRES	NON-FORESTED	FORESTED	TOTAL AREA	SUPPRESSION COSTS
	No.	Acres	Acres	Acres	$
1943	265	409,504	105,646	515,150	22,287
1944	325	273,186	449,472	722,658	88,086
1945	284	128,264	88,473	216,737	64,002
1946	275	179,731	92,552	272,283	54,129
1947	122	46,895	33,166	80,061	19,876
1948	184	195,491	107,726	303,217	90,904
1949	314	552,185	908,862	1,461,047	248,635
1950	248	233,509	472,178	705,687	336,304
1951	84	13,303	10,565	23,868	25,092
1952	192	184,905	299,424	484,329	70,443
1953	140	137,275	196,826	334,101	188,202
1954	85	71,008	57,869	128,877	77,453
Totals	2,518	2,425,256	2,822,759	5,248,015	1,285,413

ANNUAL SUMMARY OF FOREST FIRE LOSSES

FIRES WITHIN FOREST RESERVES

CAUSE	NUMBER OF FIRES						LANDS AFFECTED							LOSS								SUPPRESSION COSTS				
	CLASS						OWNERSHIP		AREA	CONDITION				TIMBER (MERCHANTABLE AND CUT-OVER)												
														SALVABLE			UNSALVABLE									
	A	B	C	D	E	Total	Public	Private	Total	Merchantable Timber	Cut-over Timber	Young Growth	Not Forested	Saw-Timber	Other	Depreciation	Saw-Timber	Other	Loss	Loss of Timber	Loss of Young Growth	Loss of Other Property	Total Loss	Ranger Service	Other Expenditure	Total
							Acres	Acres	Acres	Acres	Acres	Acres	Acres	M. Ft. B. M.	Cords	$	M. Ft. B. M.	Cords	$	$	$	$	$	$	$	
Campers	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Smokers	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	3
Settlers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Railways	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lightning	—	2	—	—	1	3	734	—	734	20	2	474	238	—	—	—	—	200	—	400	4,740	—	5,140	639	11,750	12,389
Industrial Operations	1	1	—	—	—	2	3	—	3	—	3	—	—	—	—	—	—	—	—	—	30	—	30	9	—	9
Incendiary	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Public Works	—	—	1	1	—	2	174	—	174	140	22	12	—	—	—	—	325	61	—	1,985	120	—	2,105	508	1,603	2,111
Unclassified	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unknown	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS	3	3	1	1	1	9	911	—	911	160	27	486	238	—	—	—	325	261	—	2,385	4,890	—	7,275	1,160	13,353	14,513

FIRES OUTSIDE FOREST RESERVES

Campers	6	12	3	2	7	30	106,652	1,815	108,467	39,816	—	7,737	60,914	—	—	—	31,493	574,006	—	983,513	34,160	105	1,017,778	3,323	48,531	51,854
Smokers	3	3	1	—	2	9	1,756	108	1,864	457	44	940	423	—	—	—	362	1,160	—	3,531	2,870	25	6,426	164	2,481	2,645
Settlers	1	2	3	4	5	15	5,704	2,694	8,398	225	—	3,675	4,498	—	—	—	206	2,223	—	6,117	6,972	350	13,439	366	3,601	3,967
Railways	—	1	2	—	—	3	200	62	262	—	—	—	262	—	—	—	—	—	—	—	—	270	270	11	—	11
Lightning	—	—	—	1	1	2	6,700	—	6,700	2,550	—	885	3,265	—	—	—	350	2,050	—	3,100	4,425	—	7,525	43	3,342	3,385
Industrial Operations	3	1	—	—	—	4	5	—	5	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44	44
Incendiary	—	—	1	—	—	1	70	30	100	—	—	—	100	—	—	—	—	—	—	—	—	—	—	—	210	210
Public Works	1	1	—	—	—	2	—	10	10	—	—	—	10	—	—	—	—	—	—	—	—	120	120	—	11	11
Unclassified	1	—	1	—	—	2	10	—	10	—	—	—	10	—	—	—	—	—	—	—	—	—	—	37	125	162
Unknown	1	4	1	1	1	8	1,850	300	2,150	3	4	855	1,288	—	—	—	15	—	—	45	4,275	—	4,320	95	556	651
TOTALS	16	24	12	8	16	76	122,947	5,019	127,966	43,056	48	14,092	70,770	—	—	—	32,426	579,439	—	996,306	52,702	870	1,049,878	4,039	58,901	62,940

FIRES WITHIN AND WITHOUT FOREST RESERVES

Campers	7	12	3	2	7	31	106,652	1,815	108,467	39,816	—	7,737	60,914	—	—	—	31,493	574,006	—	983,513	34,160	105	1,017,778	3,324	48,531	51,855
Smokers	4	3	1	—	2	10	1,756	108	1,864	457	44	940	423	—	—	—	362	1,160	—	3,531	2,870	25	6,426	167	2,481	2,648
Settlers	1	2	3	4	5	15	5,704	2,694	8,398	225	—	3,675	4,498	—	—	—	206	2,223	—	6,117	6,972	350	13,439	366	3,601	3,967
Railways	—	1	2	—	—	3	200	62	262	—	—	—	262	—	—	—	—	—	—	—	—	270	270	11	—	11
Lightning	—	2	—	1	2	5	7,434	—	7,434	2,570	2	1,359	3,503	—	—	—	350	2,250	—	3,500	9,165	—	12,665	682	15,092	15,774
Industrial Operations	4	2	—	—	—	6	8	—	8	5	3	—	—	—	—	—	—	—	—	—	30	—	30	9	44	53
Incendiary	—	—	1	—	—	1	70	30	100	—	—	—	100	—	—	—	—	—	—	—	—	—	—	—	210	210
Public Works	1	1	1	1	—	4	174	10	184	140	22	12	10	—	—	—	325	61	—	1,985	120	120	2,225	508	1,614	2,122
Unclassified	1	—	1	—	—	2	10	—	10	—	—	—	10	—	—	—	—	—	—	—	—	—	—	37	125	162
Unknown	1	4	1	1	1	8	1,850	300	2,150	3	4	855	1,288	—	—	—	15	—	—	45	4,275	—	4,320	95	556	651
TOTALS	19	27	13	9	17	85	123,858	5,019	128,877	43,216	75	14,578	71,008	—	—	—	32,751	579,700	—	998,691	57,592	870	1,057,153	5,199	72,254	77,453

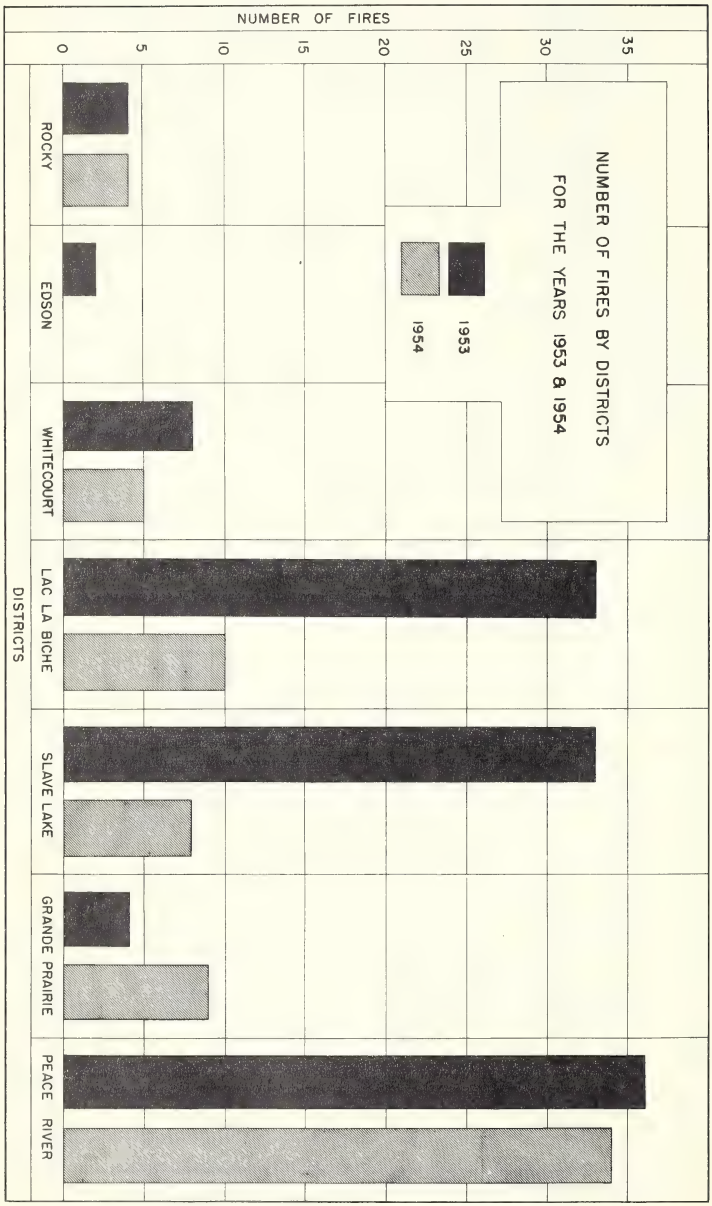
SUMMARY BY DIVISIONS

N.A.F.D. Outside Reserves	12	23	11	8	16	70	122,935	5,009	127,944	43,056	48	14,092	70,748	—	—	—	32,426	579,439	—	996,306	52,702	750	1,049,758	4,007	58,839	62,846
Clearwater	4	1	1	—	—	6	12	10	22	—	—	—	22	—	—	—	—	—	—	—	—	120	120	32	62	94
Bow River	—	1	—	—	—	1	3	—	3	—	3	—	—	—	—	—	—	—	—	—	30	—	30	8	—	8
Crowsnest	3	2	1	1	1	8	908	—	908	160	24	486	238	—	—	—	325	261	—	2,385	4,860	—	7,245	1,152	73,353	14,505
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS	19	27	13	9	17	85	123,858	5,019	128,877	43,216	75	14,578	71,008	—	—	—	32,751	579,700	—	998,691	57,592	870	1,057,153	5,199	72,254	77,453

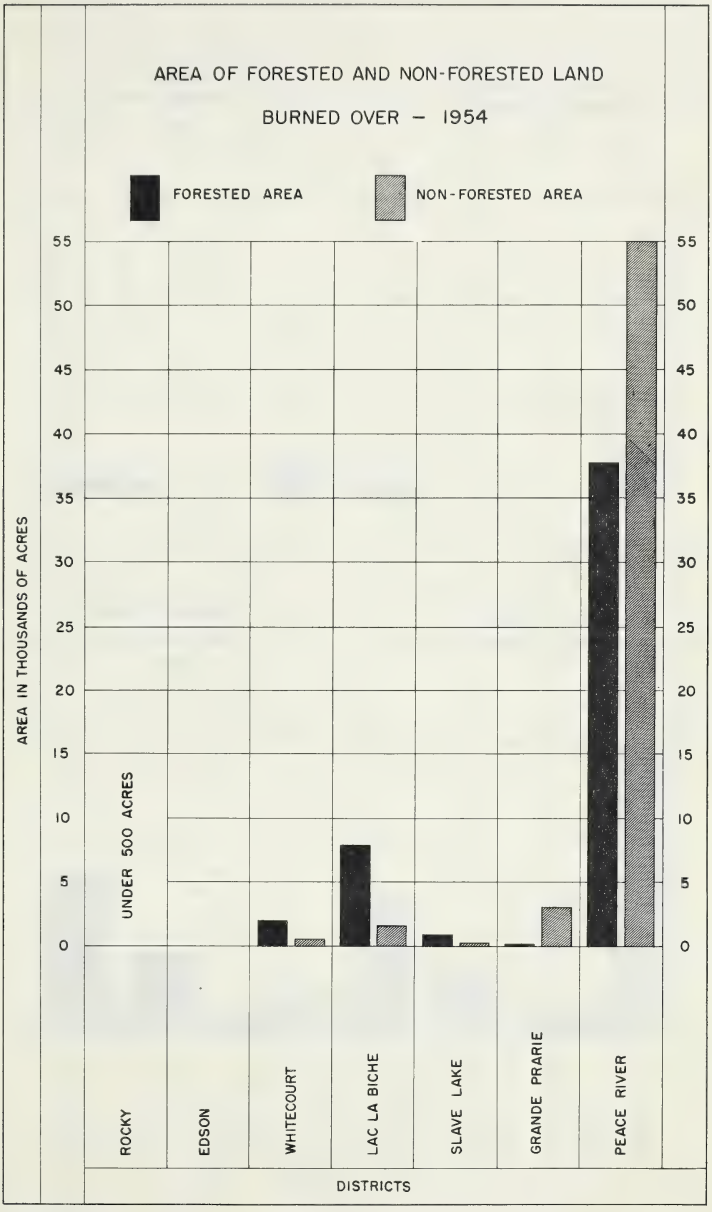
ANNUAL STATEMENT OF FIRES BY CAUSES, MONTHLY DISTRIBUTION, ETC.

Within & Without Forest Reserves - Calendar Year 1954

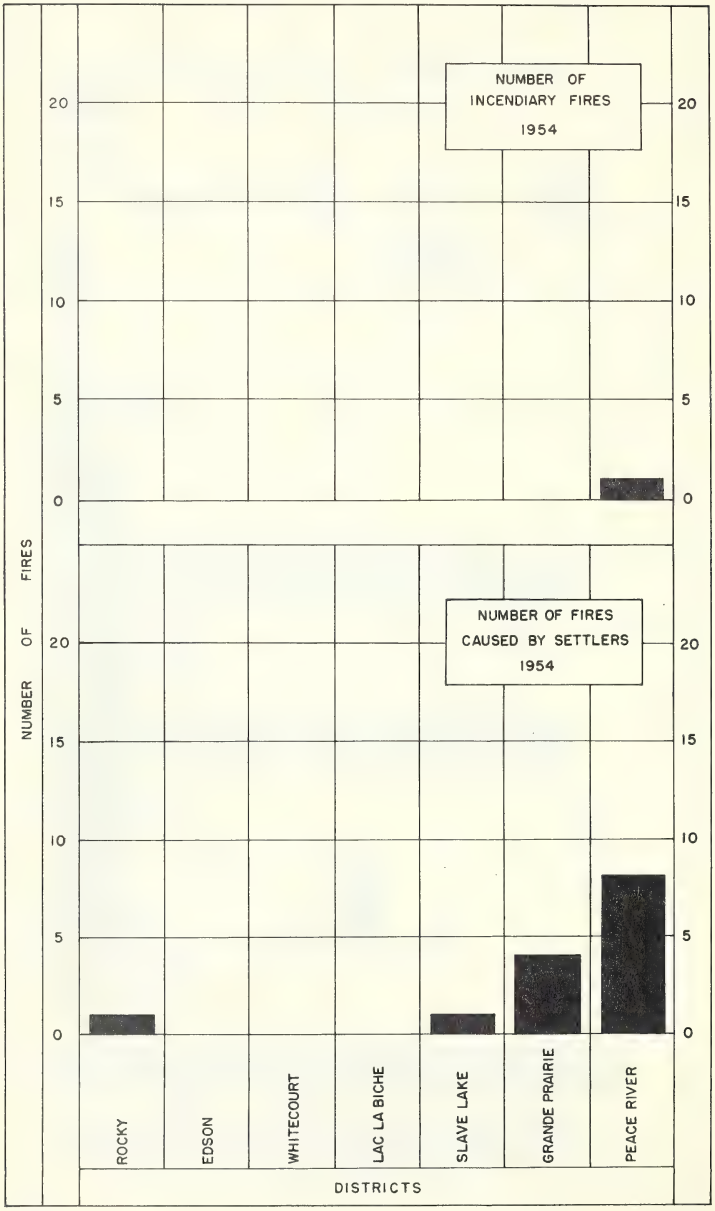
CAUSE	NUMBER							Damage $	Area Acres	MONTHLY DISTRIBUTION												Fires Inside Forest Reserve		Fires Outside Forest Reserves	
	A	B	C	D	E	Total	P.C.			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	No.	Area Acres	No.	Area Acres
Camp-fires	7	12	3	2	7	31	37	1,017,778	108,467	1		1	1	6	4	6	4	2	5		1	1	Nil	30	108,467
Smokers	4	3	1		2	10	12	6,426	1,864				1	2		4	1	1	1			1	Nil	9	1,864
Settlers	1	2	3	4	5	15	18	13,439	8,398					7	5	1			1	1			Nil	15	8,398
Railways		1	2			3	3	270	262							1			1	1			Nil	3	262
Lightning		2		1	2	5	6	12,665	7,434						2	3						3	734	2	6,700
Industrial Operations	4	2				6	7	30	8		1			1	2				1		1	2	3	4	5
Incendiary			1			1	1	Nil	100					1									Nil	1	100
Public Works	1	1	1	1		4	5	2,225	184					1	1		1		1			2	174	2	10
Unclassified	1		1			2	2	Nil	10									1		1			Nil	2	10
Unknown	1	'4	1	1	1	8	9	4,320	2,150	1			1	4	1	1							Nil	8	2,150
TOTALS	19	27	13	9	17	85		1,057,153	128,877	2	1	1	3	22	15	16	6	4	10	3	2	9	911	76	127,966
Per cent.	22	32	15	11	20		100			2	1	1	4	26	18	19	7	5	12	4	2	11		89	



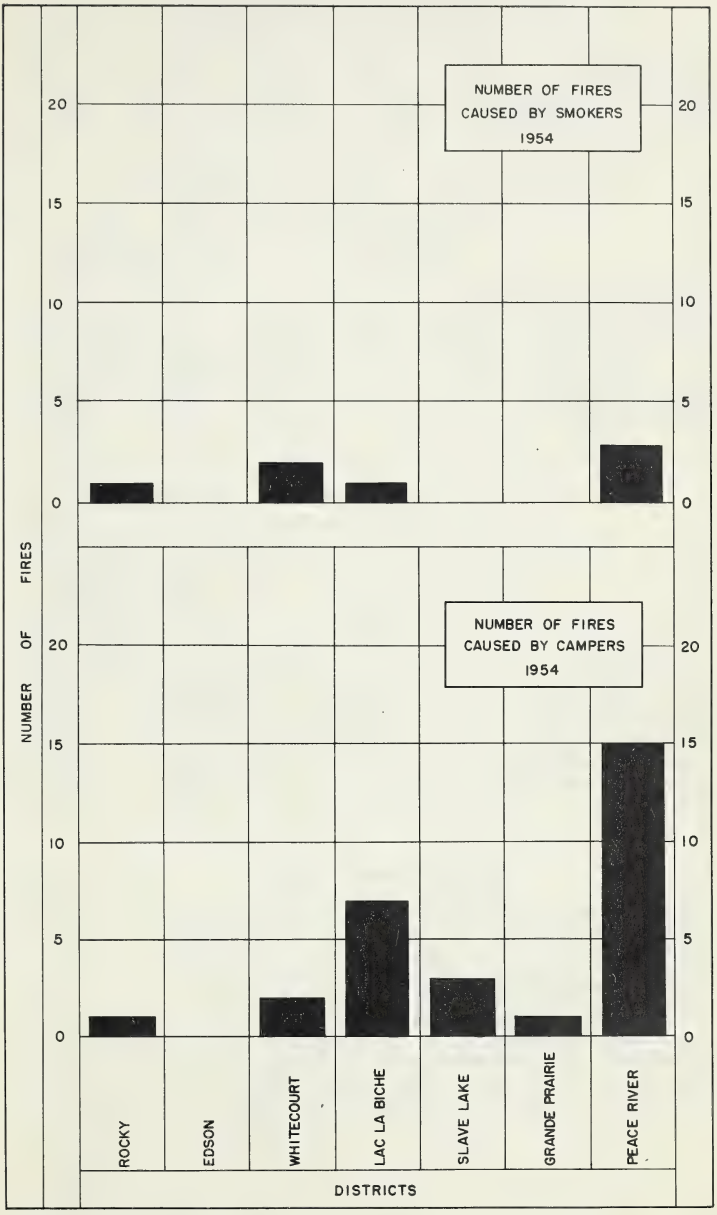
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TIMBER CUT UNDER PERMIT ALBERTA FOREST RESERVES

FISCAL YEAR 1954 - 1955

	Bow River	Crowsnest	Clearwater	Total
Number of Permits	50	156	14	220
Fuelwood (cords)	10	145	490	645
Lumber (F. B. M.)	—	65,000	—	65,000
Poles and Piling (lineal feet)	—	11,480	—	11,480
Round Timber (lineal feet)	485,760	419,325	37,000	942,085

TIMBER OPERATIONS ON ALBERTA FOREST RESERVES

FISCAL YEAR 1954 - 1955

	Bow River	Crowsnest	Clearwater	Total
Number of Active Operations	27	21	45	93
Fuelwood (cords)	—	306	—	306
Lath (pieces)	—	472,600	—	472,600
Lumber (F. B. M.)	11,622,278	23,199,197	26,838,438	61,659,913
Poles and Piling (lineal feet)	—	51,616	204,355	255,971
Pulpwood (cords)	—	—	1,394	1,394
Railway Ties (pieces)	—	—	2,640	2,640
Round Timber (lineal feet)	1,894,932	372,703	2,660	2,270,295

TIMBER OPERATIONS ON LANDS OUTSIDE OF FOREST RESERVES

FISCAL YEAR 1954 - 1955

	Timber Berths and Special Permits
Number of Active Operations	971
Lath (pieces)	1,137,435
Lumber (F. B. M.)	334,382,206
Mine Ties (pieces)	8,611
Poles and Piling (lineal feet)	148,055
Pulpwood (cords)	3,141
Plywood (F. B. M.)	1,159,955
Railway Ties (pieces)	750,822
Round Timber (lineal feet)	749,730
Slabs (cords)	1,386

SETTLERS' TIMBER PERMITS

Number of Permits	3,451
Fuelwood (cords)	3,892
Lumber (F. B. M.)	15,918,718
Pulpwood (cords)	11,402
Poles and Piling (lineal feet)	280
Round Timber for Mines, Fencing, Corrals, Building Logs, etc. (lineal feet)	3,363,779
Timber Seizures (number)	151
Custom Sawmill Permits (number)	249

SUMMARY OF TIMBER OPERATIONS ON PUBLIC LANDS AND ALBERTA FOREST RESERVES

FISCAL YEAR 1954 - 1955

	PUBLIC LANDS		FOREST RESERVES		
	Timber Berths and Special Permits	Other Permits	Timber Berths and Special Permits	Other Permits	Total
Number of Active Operations	971	3,451	93	220	4,735
Fuelwood (cords)	——	3,892	306	645	4,843
Lath (pieces)	1,137,435	——	472,600	——	1,610,035
Lumber (F.B.M.)	334,382,206	15,918,718	61,659,913	65,000	412,025,837
Mine Ties (pieces)	8,611	——	——	——	8,611
Poles and Piling (lineal feet)	148,055	280	255,971	11,480	415,786
Pulpwood (cords)	3,141	11,402	1,394	——	15,937
Plywood Logs, Poplar (F.B.M.)	1,159,955	——	——	——	1,159,955
Railway Ties (pieces)	750,822	——	2,640	——	753,462
Round Timber (lineal feet)	749,730	3,363,779	2,270,295	942,085	7,325,889
Slabs (cords)	1,386	——	——	——	1,386
Timber Seizures (number)	——	——	——	——	151
Custom Sawmill Permits (number)	——	——	——	——	249

IMPROVEMENTS - STATEMENT OF MAN-DAYS WORKED - FISCAL YEAR 1954-1955

NEW CONSTRUCTION PROJECTS

	Houses and Cottages	Garages and Sheds	Fences	Lookout Sites	Water Supply Systems	Barns and Stables	Telephone Lines	Corrals	Bridges	Grounds	Trails	Cabins	Tourist Stoves	Access Roads	Radio	Misc.
Crowsnest	423.0	265.5	4.0	22.0	13.0	11.5	—	3.5	64.0	17.0	1.0	—	7.5	58.0	—	57.5
Bow River	706.0	215.5	24.5	—	—	6.5	—	—	—	18.0	22.0	124.5	—	0.5	—	128.5
Clearwater	839.0	—	—	9.0	—	—	—	—	3.5	—	39.0	—	—	39.5	—	—
N.A.F.D.	174.5	470.0	78.0	831.5	17.0	50.0	139.0	22.0	—	60.0	147.5	1150.0	—	947.0	—	40.0
TOTALS	2142.5	951.0	106.5	862.5	30.0	68.0	139.0	25.5	67.5	95.0	209.5	1274.5	7.5	1045.0		226.0

MAINTENANCE PROJECTS

Crowsnest	52.5	7.5	73.5	2.0	7.5	3.0	174.0	—	46.5	30.5	66.5	—	34.5	254.0	3.0	78.5
Bow River	—	—	369.0	—	—	—	138.0	—	—	126.0	80.0	—	—	275.5	—	518.0
Clearwater	101.0	—	96.5	—	3.0	—	82.5	2.0	41.0	—	32.0	—	—	31.5	—	54.0
N.A.F.D.	104.0	210.5	251.5	340.5	44.5	15.5	513.0	2.5	—	94.5	625.5	500.5	—	670.5	—	69.5
TOTALS	257.5	218.0	790.5	342.5	55.0	18.5	907.5	4.5	87.5	251.0	804.0	500.5	34.5	1231.5	3.0	720.0

MODE OF TRANSPORTATION AND MILEAGE TRAVELLED BY EMPLOYEES

OF THE ALBERTA FOREST SERVICE

FISCAL YEAR 1954-1955

DIVISIONS	FOOT	HORSE	SPEEDER	AUTO	BOAT	PLANE	RAILWAY	BUS	OTHERS	TOTAL
N. A. F. D.	28,500	21,243	7,562	611,418	35,710	5,593	11,538	665	14,233	736,462
Bow River	3,089	8,197	—	160,653	42	—	206	206	3,855	176,248
Crowsnest	2,462	4,120	—	71,219	—	—	738	320	5,336	84,195
Clearwater	1,510	2,784	228	64,555	9	—	200	—	1,114	70,040
Radio	462	632	—	83,225	—	480	6,520	—	—	91,319
TOTALS	35,663	36,976	7,790	991,070	35,761	6,073	19,202	1,191	24,538	1,158,264

SUMMARY OF THE YEAR'S OPERATIONS, 1954 - 55

LOOKOUT STATIONS - 60 WATT AND 100 WATT

	Engine Time		Gas	Oil	Messages	Words
	hrs.	min.	gals.	qts.		
Alder Flats	1,156	45	316	14 1/4	1,118	21,966
Athabasca	354	53	94	5 3/4	534	8,203
Bald Mountain	105	31	35 1/2	5 1/2	174	2,186
Brazeau	486	50	112 1/2	11 1/2	242	3,254
Carrot Creek	268	58	59	4 3/4	265	4,379
Clear Hills	388	27	95	9	239	2,625
Conklin	250	45	53	8 3/8	20	542
Economy Creek	515	45	115 1/2	9 7/8	308	3,932
Goose Mountain	347	31	86 3/4	8 1/4	151	1,921
Heart Lake	650	31	138	12 1/8	313	5,091
Lovett	387	27	93 1/2	9 3/4	606	8,677
Mayberne	290	47	60	13 1/2	238	2,933
Nose Mountain	103	15	26 3/4	1 1/2	220	2,494
Pass Creek				4		77
Pelican Mountain	499	40	89 1/2	6 1/2	230	2,126
Pimple				5		62
Puskwaskau	559	00	136 1/2	15 1/2	398	7,094
Round Hill	465	55	99 1/2	10 1/2	268	4,023
Snuff Mountain	289	55	68 1/2	11	210	2,923
Stony Mountain	554	00	148	15	246	3,404
Swan Dive	395	50	100	11	225	2,615
Sweathouse	317	45	67 1/2	12 1/2	169	2,105
Whitecourt	297	35	44 1/2	6	314	4,453
White Mountain	331	10	79	8	247	3,485
Whitemud	490	15	110	14 1/2	234	2,851
TOTAL	9,508	30	2,228 1/2	224 5/8	6,978	103,421

HEADQUARTER STATIONS

Calgary	4,678	106,065
Edmonton	11,199	242,186
Edson	2,161	41,277
Grande Prairie	3,429	58,740
Lac La Biche	2,928	62,505
Peace River	1,676	47,767
Rocky Mountain House	654	13,481
Slave Lake	841	18,185
Whitecourt	1,297	31,816
TOTAL	28,873	622,022
GRAND TOTAL	35,851	725,443

GRAZING STATEMENT
ON FOREST RESERVES 1954 - 55

Forest	No. of Permits	No. of Horses	No. of Cattle	No. of Sheep
Bow River	78	135	6,358	———
Crowsnest	196	35	14,143	1,375
Clearwater	21	90	196	———
TOTAL	295	260	20,697	1,375

	Total for the Period 1931 - 55 Incl.	Average Per year
Number of Permits	11,294	452
Number of Horses	59,153	2,366
Number of Cattle	535,364	21,414
Number of Sheep	94,275	3,771

Fish and Game Administration

REPORT OF THE FISH AND GAME COMMISSIONER

E. S. HUESTIS

A glance at the statistics for the Fish and Game Branch reveal that the activities for the year continued at an increased tempo set a few years ago. The number of bird game licenses sold to the public has increased steadily and the numbers sold during the year under review show an increase of fifty percent since 1951. The upswing in sales of angling permits is marked from 1946 with an increase of forty-six per-cent since 1951.

The experiment of stocking trout in small lakes and reservoirs of the prairie regions has met with considerable success. Following biological examinations, new fishable waters were found and the program enlarged to include all suitable waters. The public response to the plan is most encouraging and the branch is hard pressed to keep pace with the enthusiasm of sportsmen in recommending new projects. Notwithstanding the large number of small lakes and reservoirs examined during the year, biological surveys were continued on the North Saskatchewan and Red Deer drainage systems preparatory to including these waters in the plan for the management of the trout streams of the east slope of the Rocky Mountains. In addition, special investigations were made of Spray Lake and Lower Kananaskis Lake.

The Alberta Biological Station at Gorge Creek was operated for the fifth consecutive year. In addition, a new station was operated at Beaver Creek in the vicinity of the Raven Fish Rearing Station. At the Gorge Creek station, continued studies were made of pond and hatchery reared trout with normal competition and without competition. The experiment at the Beaver Creek station was concerned mainly with the survival of pond-raised trout in quiet brown water streams.

Angling in trout streams was very satisfactory throughout the year although pressures were not as high as previously due to an unusually cold and wet summer. Creel returns from lakes was exceptionally good and spectacular catches of trout were reported from several of the newly stocked waters, particularly Grassy Lake near Lethbridge and Chichako Lake in the Edmonton district. Angling for pike, pickerel and perch, was excellent in all districts with an increase in the number of young and old trying their skills.

The creel census at Spray Lake, begun in 1953, was continued in 1954. Statistics gathered, showed little change in harvest of trout per angler with a significant drop in angling pressure.

A dam was constructed on Beaver Creek at the Raven trout rearing station to facilitate stream water flow to the ponds. A land survey was also carried out to investigate the possibility of supplying additional ponding room at the site. Operations at this station were somewhat impeded by continuous algal growth that persists in earth ponds. Some

experiments were conducted in an attempt to inhibit same, and this will be continued in the forthcoming year. The wooden stave tanks constructed at the station in 1953 produced a high quality trout with little mortality.

The hatchery at Calgary operated at peak production and high grade trout were produced for the stocking program. Stocking was extensive but much hindered by poor weather and bad roads. The planting of Grassy Lake reservoir with approximately one quarter million trout was the largest single trout planting made. With the addition of new equipment, more of the actual hauling and dispersal of stocks was accomplished by the hatchery staff than in previous years.

Trout at the Westmount rearing station wintered well and it was possible to approach spring planting with some sixty percent of the pond stocks available. However, during the following winter, trout stocks at this station suffered a severe attack from a fish parasite. In spite of many efforts to treat ponds, losses were heavy and it is estimated only twenty percent of the original stock will be available for next spring planting. It is evident that operations at Westmount are becoming increasingly difficult. Water quality appears to be the largest impediment. To this end, it was necessary to purchase water from the City of Calgary during March of 1955 at some considerable cost.

Commercial fishing continued steady throughout the summer and winter seasons. The marketed value of the catch was on a level with the previous year, an increase of eighty-four percent since the report of 1950-51. The total fish production of almost nine and a quarter million pounds was made up of approximately three and one half million pounds of whitefish, four million pounds of tullibee and the balance of pike, pickerel, perch and lake trout. Whitefish and pickerel show a gain over last year and tullibee a marked decrease. No significant changes are noted in the other species which were taken during the year.

Export of fish from the province increased over fifteen percent of which whitefish comprised seventy-two percent. Statistics point up the fact that the export trade consumes seventy percent of the total whitefish catch. This leaves a meagre quantity for the local domestic markets.

The highlight of the 1954 big game picture was a successful cow elk season south of the Crowsnest Pass in the Castle - Carbondale zone. Advocated to effect an increased harvest of a 'trouble' population, this special area attracted a good segment of the hunting pressure. Success was abnormally high in spite of the poor hunting weather.

There was no season on moose, deer or antelope. As a result fewer hunters obtained big game licenses than in previous years.

Upland game birds were not generally plentiful with one exception. Pheasants thrived while sharptailed grouse, ruffed grouse and Hungarian partridge suffered at the bottom of a cyclic crash, except in isolated areas.

An increased population in the Eastern Irrigation District bore the brunt of the non-resident hunting pressure. An estimated 10,000 cock pheasants were bagged there on opening day.

High pheasant production in the aspen belt of central Alberta, aided by releases from the pheasant farm at Brooks, provided good local shooting in many sectors, of which Camrose was one of the best. If the upswing continues the forecast for pheasant shooting in 1955 will be good.

Migratory waterfowl increased again and provided good sport for the informed hunter. Open, sunny fall weather until the end of the season again lured small concentrations of mallard ducks into attempting to over-winter with, as usual, limited success.

Over six thousand pheasants were released from the Brooks pheasant hatchery. The birds were released in areas selected by game biologists after personal investigation. In addition, chukar partridges to the number of 2,176 were released in the southern part of the province, including 637 birds from the parent stock.

In the report of last year mention was made of the problem of beaver control in settled areas. In addition to the staff of live beaver trappers, beaver were placed on the Resident Trapper's license; that is, a farmer upon obtaining a license was permitted to trap beaver on lands owned or occupied by himself. Farmers and trappers took in the neighborhood of 35,000 beaver during the season. At an average price of $13.00 this brought in a revenue to farmers and trappers well in excess of $450,000.00. Surveys indicate there is no danger of a severe reduction in the beaver population.

Fur prices during the year revealed a trend towards an increase and stabilization of prices on muskrats, beaver, mink and weasels. The increase in the price of muskrats and a more steady demand by the dealer for this fur may be due to the extensive reclamation program undertaken in the Southern States of the U.S.A. Areas that formerly produced sizeable crops of muskrats will be no longer available.

Studies of the fur market in Canada and questionnaires submitted to dealers would indicate fur prices well in line with the prices received by the trapper. Present indications point towards as good a season for the trapper as that enjoyed by him during the past season.

In view of the success of the campaign against rabies which has been in operation since 1952, the number of trappers employed in the province was, effective December 1, 1954, reduced from one hundred and seventy to approximately twenty men. The employment of two trappers in each division of the forested area was continued during the fiscal year under review.

Once again a crew consisting of representatives from the United States Fish and Wildlife Service, the Canadian Wildlife Service and the Provincial Fish and Game Branch conducted waterfowl ground surveys in the summer of 1954.

As a result of a resolution passed at a conference in Calgary of representatives of all administrations from Ontario west on predator control, the bounty on wolves was discontinued as at November 30, 1954. This was in line with similar action taken by the Province of Saskatchewan and the Northwest Territories.

The Fish and Game Branch appreciate and are grateful for the large amount of work carried out by the Royal Canadian Mounted Police. The Force has assisted very materially in the work of enforcement, augmenting the duties of the fish and game officers. The Fish and Game Branch is also indebted to the Forest Service of the department for their assistance in law enforcement and conservation of wildlife in the forested area.

GAME

COMPARISON OF THE NUMBER OF GAME LICENSES ISSUED

Kind	1951	1952	1953	1954
Resident Bird Game Licenses	39,190	50,965	58,188	59,281
Non-Resident (Canadian) Bird Game Licenses	317	454	365	298
Non-Resident (Non-Canadian) Bird Game Licenses	419	406	557	582
Resident Big Game Licenses	14,340	19,862	6,198	8,747
Non-Resident (Canadian) Big Game Licenses	4	8	4	4
Non-Resident (Non-Canadian) Big Game Licenses	119	84	78	95

GAME LICENSES

April 1st, 1954 to March 31st, 1955

Kind	Number of Licenses	Fee	Total Amount
Residents' Bird Game Licenses	59,281	$ 2.50	$148,202.50
Non-Residents' (Canadian) Bird Game	298	5.00	1,490.00
Non-Residents' (Non-Canadian) Bird Game	582	25.00	14,550.00
Residents' Big Game Licenses	8,747	5.00	43,735.00
Non-Residents' (Canadian) Big Game Licenses	4	50.00	200.00
Non-Residents' (Non-Canadian) Big Game Licenses	95	100.00	9,500.00
Permit to Collect	25	Free	
Taxidermists' Licenses	7	5.00	35.00
Residents' Special	136	5.00	680.00
Non-Residents' Special	51	25.00	1,275.00
Guide's Licenses (Class "A" & "B")	181	2.50	452.50
Guide's Licenses (Class "C")	8	1.00	8.00
Game Farms	11	5.00	55.00
Game Farms	3	Free	
Outfitter's Licenses	42	25.00	1,050.00
Fur Farms	4	Various	33.00
Resident Trapper's Licenses	6,181	3.00	18,543.00
Permit to Trap Beaver	113	10.00	1,130.00
Dog Trainers	8	Various	80.00
Residents' Spring Bear	24	5.00	120.00
Non-Residents' Spring Bear	4	25.00	100.00

BOUNTY ON TIMBER WOLVES AND COUGARS - SEASON 1954-55

Timber Wolves and Cougars killed from April 1st, 1954 to March 31st, 1955.

457	Timber Wolves at $15.00	$ 6,855.00
19	Cougars at $15.00	285.00
1	Cougar at $40.00	40.00

LICENSED ALBERTA FUR FARMS

Beaver	3
Muskrats	1

ALBERTA FUR PRODUCTION - SEASON 1954-55

(WILD FUR)

	Total Number of Pelts	Average Value of Pelts	Total Value of Pelts
Badger	24	$.76	$ 18.24
Beaver	34,583	13.08	452,345.64
Ermine	51,425	1.73	88,965.25
Silver Fox	35	3.79	132.65
Cross Fox	108	1.35	145.80
Red Fox	242	.55	133.10
White Fox	115	14.67	1,687.05
Blue Fox	6	6.34	38.04
Lynx	3,011	8.27	24,900.97
Marten	427	13.66	5,832.82
Mink	3,513	22.58	79,323.54
Muskrats	792,182	.99	784,260.18
Otter	71	20.03	1,422.13
Jack Rabbits	778	.23	178.94
Bush Rabbits	856	——	——
Skunk	55	.85	46.75
Squirrel	1,003.544	.63	632,232.72
Coyote	2,394	1.90	4,548.60
Timber Wolves	571	3.50	1,998.50
Wolverine	9	18.90	170.10
Cougar	4	——	——
Total	1,893,953		$ 2,078,381.02

CONVICTIONS UNDER THE GAME ACT 1954-55

Number of Convictions 316

CONFISCATED FURS

Amount realized from the sale of confiscated fur during the period April 1st, 1954 to March 31st, 1955 $ 1,721.05

TRAP-LINE REGISTRATIONS

Number of Registered Trap-Lines and Revenue
April 1st, 1954 to March 31st, 1955.

2,323 at $10.00	$ 23,230.00
161 at $20.00	3,220.00

FUR DEALERS' LICENSES, ETC.

Kind	Number	Revenue
Resident Fur Dealer's Licenses to carry on business in a city, and elsewhere than in a city	248	$ 2,480.00
Non-Resident Fur Dealer's Licenses to carry on business in the Province	2	200.00
Resident Travelling Fur Purchasing Agent's Licenses	18	450.00
Furrier's Licenses	21	210.00
Tanner's Licenses	2	20.00

FUR TAX REVENUE

Amount Collected	$ 133,754.00

MUSKRAT AND BEAVER

Muskrat Permits Issued	152
Muskrat reported taken	10,226
Beaver Permits issued free (Damage to Farmer's Land, Roads and Irrigation)	260
Beaver reported taken	1,112
Beaver Permits issued (On Registered Trap-Lines)	1,382
Beaver reported taken (On Registered Trap-Lines)	12,283

FISH

LICENSES AND PERMITS

Kind	1950-51	1951-52	1952-53	1953-54	1954-55
	No.	No.	No.	No.	No.
Angling Permits (Season)	18,658	20,303	23,270	30,842	29,979
Angling Permits (Limited)	2,181	2,113	2,318	2,935	2,709
Domestic Licenses	102	118	139	108	179
Fisherman's Licenses	3,617	4,926	5,159	5,129	5,764
Commercial Licenses	166	230	280	366	398
Fish Dealer's Licenses	124	119	93	84	125
Motor-Boat Licenses	40	73	32	39	44
Total	24,888	27,882	31,291	39,503	39,198

COMMERCIAL PRODUCTION OF FISH

Species	1950-51	1951-52	1952-53	1953-54	1954-55
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
Whitefish	2,108,434	2,745,433	3,113,007	3,161,001	3,471,372
Trout	9,154	8,393	10,886	6,268	35,410
Pike	376,458	513,049	475,485	503,349	394,796
Pickerel	127,622	224,135	142,446	407,648	718,696
Perch	19,098	58,972	192,775	150,544	217,220
Tullibee	3,591,704	5,004,601	5,703,285	5,970,966	3,991,690
Mixed Fish	378,630	355,911	297,932	660,563	392,542
Total	6,611,100	8,910,494	9,935,816	10,860,339	9,221,726

	Weight Lbs.	Value to Fishermen	Value as Marketed
Totals for year 1950-51	6,611,100	$ 381,018.63	$ 652,000.34
Totals for year 1951-52	8,910,494	617,834.15	946,535.62
Totals for year 1952-53	9,935,816	629,847.60	899,720.32
Totals for year 1953-54	10,860,339	699,150.16	1,205,969.04
Totals for year 1954-55	9,221,726	720,447.94	1,199,871.23

FISH EXPORTED FROM ALBERTA 1954-55

Species	Canadian Markets	United States Markets
	Lbs.	Lbs.
Whitefish	30,863	2,316,350
Pickerel	4,045	607,442
Pike	308	61,711
Perch	2,520	176,100
Trout		8,028
Tullibee		63,349
Total	37,736	3,232,980

	1953-54	1954-55
Prosecutions	202	173
Confiscations	112	105

STOCKING TO ANGLING WATERS 1954

Species	Amount
Artic Grayling	17,620
Rainbow Trout	1,047,152
Eastern Brook Trout	32,067
Loch Leven Trout	53,235
Cutthroat Trout	1,700
Mixed Trout plants	35,998
Eyed Eggs - Cutthroat	11,520
- Lake Trout	204,000
- Salmon	251,328
Perch	157,207
Pike	246
Pickerel	1,527
Spot-tail Minnows	11,950
	1,825,550

PRELIMINARY BIOLOGICAL SURVEYS AND EXAMINATIONS MADE DURING 1954

HANNA DISTRICT

Armstrong Lake (E. 11 & E. 2 42-10-W4)
Phouts Lake (S. E. 10 & N. W. 3 41-10-W4)

RED DEER DISTRICT

Blackfalds Lake (39-26-W4)
Brocks Lake (S. E. 18-38-25-W4)
Hasslits Lake (North of Highway #11 & 3 miles west of #2)
Powells Lake (22-37-25-W4)
Sylvan Lake

CAMROSE DISTRICT

Spotted Lake (29-40-22-W4)

ENTWISTLE DISTRICT

Pawlyks Lake (34-52-2-W5)
Shafer Lake (N. W. 23-52-3-W5)
Star Lake (19-52-2-W5)

EDMONTON DISTRICT

Boag Lake (29 & 35 52-23-W4)
Mine Borrow Pit (S. W. 25-51-25-W4)
Oldman Creek (52-22-W4)
Ross Creek (53-21-W4)
Wat Lake (S. E. 35-50-21-W4)

VERMILION DISTRICT

Battle River Oxbow (S. W. 36-43-9-W4)
Bells Lake (S. W. 5-51-7-W4)
Betty Lake (36-44-8-W4)
Blackburn Lake (N. 10-43-10-W4)
Cairns Lake (W. 1/2 35-47-6-W4)
Camp Lake (48-11-W4)
Cox Lake (1-48-12-W4)
Cox Lake No. 2 (S. E. 36-47-12-W4)
Devonia Lake
Fish Lake (N. W. 2-43-10-W4)
Goulds Lake (23-52-1-W4)
Hardisty Lake (S. 1-43-10-W4)
Kravetz Lake (32-50-11-W4)
Lac Sante
Livingstone Lake (N. E. 19-49-7-W4)
McLean Lake (Kitscoty)
Sedgewick Lake (N. W. 16-44-12-W4)
Wallingtons Lake (S. W. 14-48-6-W4)

BONNYVILLE DISTRICT

Thoeben Lake (S. E. 34-56-9-W4)

ST. PAUL DISTRICT

Good Lake (N. 35-59-11-W4)

ATHABASCA DISTRICT

Bay Lake (1-68-24-W4)
Canoe Lake (8-65-21-W4)
Colinton Lake (7-65-22-W4)
Helliwell (Nestow) Lake
Hondo Lake (13-70-1-W5)
Lakeview Lake (Jarvie)
Rochester Lake
Sawmill Lake (11-72-11-W5)
Tawatinaw River
Zeiglers Pond (S. 34-67-24-W4)

BARRHEAD DISTRICT

Sawyer Lake (9-60-1-W5)

GRANDE PRAIRIE DISTRICT

Bear Creek
Bear Lake
Beaverlodge Creek
Big Mountain Creek
Cutbank Lake
Deep Lake (72-11-W6)
Fish Lake (76-11-W6)
Grande Prairie Reservoir
Pinto Creek
Saskatoon Lake
Simonette River
Sturgeon Creek

LAC LA BICHE DISTRICT

Horseshoe (Field) Lake

NORTH SASKATCHEWAN DRAINAGE

Clearwater System - Mud Creek
South Prairie Creek

Ram River System - Lynch Creek
Lynx Creek
North Branch Ram
Cripple Creek
Smallpox Creek

RED DEER DRAINAGE

Benjamin Creek
Burnt Timber Creek
Fallen Timber Creek
Klein Lake
Little Red Deer River
McCue Creek
Panther River
Stud and Johnson Creeks

SPRAY LAKE

ELBOW LAKE

LOWER KANANASKIS LAKE

Technical Division

Report of the Director of the Technical Division

T. W. DALKIN

As intimated in last year's report, the area of lands patented each year continues to be on the upswing. This year legal descriptions were drafted for 553 notifications (land patents) and forwarded to the Land Titles Office in Edmonton or Calgary in order to permit of the registration of same and the issue of certificates of title. The area of land covered by these notifications amounted to 87,796 acres, more or less. In the previous year ending March 31st, 1954, legal descriptions were drafted for 521 notifications and the area of crown land patented was 70,934 acres, more or less.

Disregarding the few months in 1930 to 1931, when the natural resources were transferred to the province, the year 1952 retains the lowest record for the area of crown lands patented, the area being just over 41,000 acres, more or less, and 1939 retains the high record when over one-half million acres of crown lands were patented.

All details as to the classification of notifications appear in the following schedule of notifications issued during the present fiscal year ending March 31st, 1955, and it will be seen, as in previous years, that "Homestead Sales" are well out in the lead. In second place are "Sales of land", including lots in various subdivisions scattered throughout the province.

NOTIFICATIONS ISSUED DURING FISCAL YEAR
April 1st, 1954 to March 31st, 1955

(Surface Rights Only)

Classification	Notifications	Area
Special grants (including Lots in Subdivisions)	11	597.89
Homesteads	7	1,108.80
Exchanges	7	1,115.00
Quit Claim	1	6.10
Supplementary Patent	1	0.18
School Land Sales (including Lots in Subdivisions)	90	12,176.12
Sales (including Lots in Subdivisions)	158	13,935.56
Homestead Sales	278	58,856.36
Total	553	87,796.02

NUMBER OF SALES IN SUBDIVISIONS
WHICH ARE INCLUDED IN THE
158 NOTIFICATIONS REFERRED TO ABOVE

Subdivision	Notifications	No. of Lots	No. of Blocks
Walsh, 3644 B	2	4	2
Jarvie, 37 General	1	3	1
Taber, 7819 A.Q.	3	70	2
Taber, 7801 A.L.	1	-	1
Canmore, 1095 F	15	33	9
Ghost River, 6490 E.L.	20	22	4
Wabiskaw Settlement, 41 S	4	4	(35.33 acres)
Shaftesbury Settlement 33 S	2	1	(13.00 acres)
Total	48	137	19

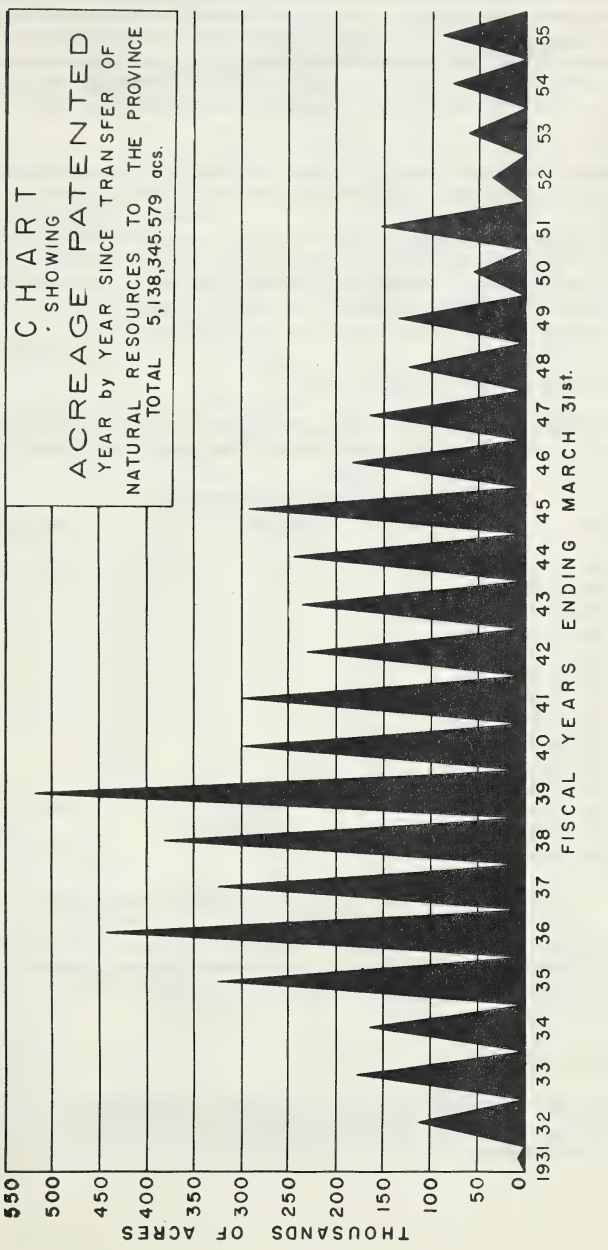
SUBDIVISIONS INCLUDED IN THE 90 NOTIFICATIONS
ISSUED UNDER SCHOOL LAND SALES

Subdivision	Notifications	No. of Lots	No. of Blocks
Willingdon, 1329 H.W.	3	2	3 (26.91 acs.)
MacLeod, 1138 General	1	-	9
Venice, 6036 E.T.	2	3	-
Total	6	5	12

SUBDIVISIONS INCLUDED IN THE 11 NOTIFICATIONS
ISSUED UNDER SPECIAL GRANTS

Coleman, 6808 C.U.	1	14	4
Total	1	14	4

Area not stated in these 48 Notifications	42 Sales 5 School Land Sales 1 Special Grant
	48
Total No. of Notifications in which area stated	505
Total No. of Notifications	553


CHART
SHOWING
ACREAGE PATENTED
YEAR by YEAR SINCE TRANSFER OF
NATURAL RESOURCES TO THE PROVINCE
TOTAL 5,138,345.579 acs.
THOUSANDS OF ACRES
550
500
450
400
350
300
250
200
150
100
50
0
1931 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55
FISCAL YEARS ENDING MARCH 31st.

LAND SURVEYS

The demand for land settlement purposes still continues and following a long established policy of the Lands Branch, no crown land is surveyed until the soil surveyors report that 50% of the land is suitable for cultivation. Three survey and levelling parties were in operation during this season. Surveys again were hindered to some extent by heavy rain but regardless of the climatic situation, commendable progress was made.

During the survey season, areas totalling over eleven townships were surveyed and made available for land settlement purposes.

The largest block of land on the survey at the present time is known as the Blueberry Mountain area which is located north and west of the town of Spirit River, on both sides of the Peace River, and extends to the boundary of British Columbia. This area is designated No. 1 on the map showing the locations where areas are being surveyed.

1. Blueberry Mountain Area

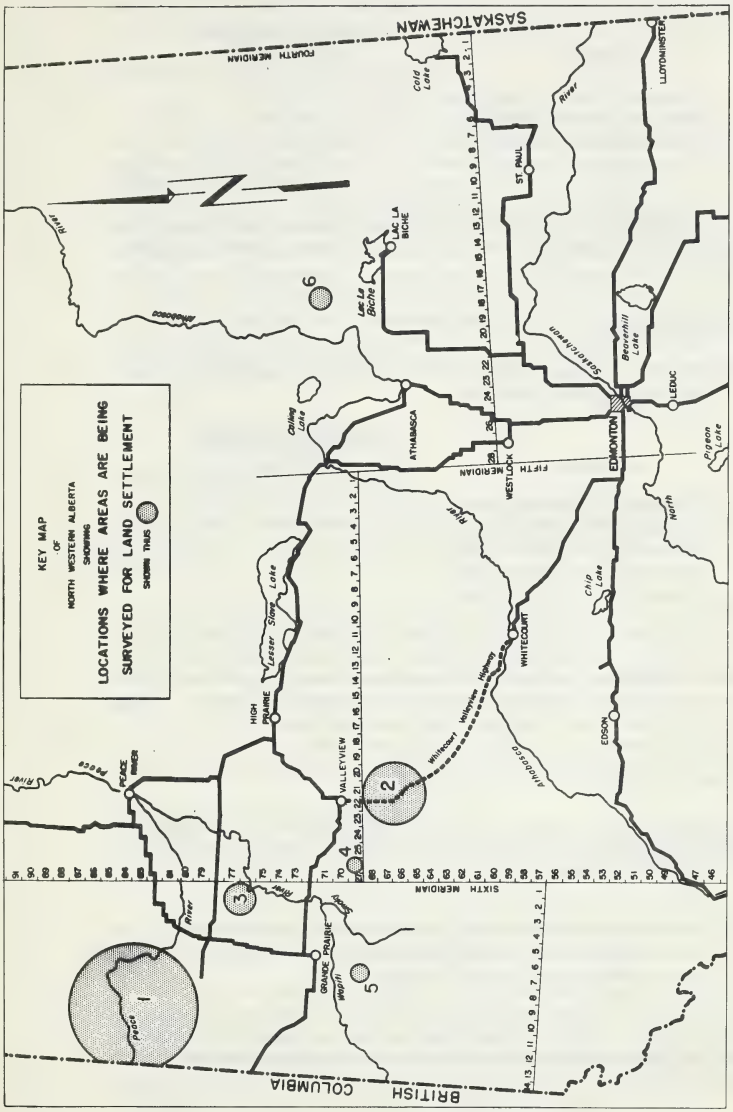
Two hundred and five and one-half sections or a little better than five and one-half townships were surveyed and located as follows:

Location	Number of Sections Surveyed	as at Date
Twp. 85-13-W6th Mer.	23	15/12/54
Twp. 86-12-W6th Mer.	36	"
Twp. 85-12-W6th Mer.	10 1/2	"
Twp. 83-11-W6th Mer.	6	"
Twp. 84-11-W6th Mer.	1	"
Twp. 83-12-W6th Mer.	2	"
Twp. 82-12-W6th Mer.	1	"
Twp. 79-12-W6th Mer.	2	"
Twp. 85- 8-W6th Mer.	36	"
Twp. 79-10-W6th Mer.	2	"
Twp. 85- 7-W6th Mer.	36	"
Twp. 82-11-W6th Mer.	2	"
Twp. 85- 9-W6th Mer.	36	"
Twp. 85-10-W6th Mer.	12	"
	205 1/2 = 5 1/2 townships	

In the interests of economy, both banks of the Peace River in Township 83, Ranges 9 and 10, West of the 6th Meridian were traversed on the ice in February. These traverses represent about eighteen miles of survey.

2. Valleyview Area

Area No. 2 on the map shows the survey location south of Valleyview through which the new Whitecourt-Valleyview Highway "cut-off" passes in Townships 65 and 66, Range 21, West of the 5th Meridian and


KEY MAP
OF
NORTH WESTERN ALBERTA
SHOWING
LOCATIONS WHERE AREAS ARE BEING
SURVEYED FOR LAND SETTLEMENT
SHOWN THUS
TECHNICAL DIVISION
Dept. of Lands & Forests
SASKATCHEWAN
BRITISH COLUMBIA
FOURTH MERIDIAN
SIXTH MERIDIAN
FIFTH MERIDIAN
EDMONTON
ATHABASCA
WESTLOCK
ST. PAUL
LLOYDMINSTER
LEDUC
WHITECOURT
EDSON
VALLEYVIEW
HIGH PRAIRIE
GRANDE PRAIRIE
PEACE RIVER
Lac La Biche
Cold Lake
Calling Lake
Lesser Slave Lake
Beaverhill Lake
Pigeon Lake
Chip Lake
Wapiti River
Smoky River
Peace River
Athabasca River
North Saskatchewan River
Whitecourt Highway
1
2
3
4
5
6

the north half of Township 66, Range 22, West of the 5th Meridian. This is a continuation of a survey last year and an additional fifty-four sections comprising one and one-half townships are now available for sale located as follows:

Location	Number of Sections Surveyed
Township 65-21-W5th Mer.	12
Township 66-21-W5th Mer.	24
Township 66-22-W5th Mer.	18
	54 = 1 1/2 townships

The Waskahigan, Little Smoky and Iosegun Rivers run through these townships and traverses of these rivers were undertaken in February and March.

3. Birch Hills Area

This survey is located in the Peace River area south of Wanham. The areas surveyed are as follows:

Location	Number of Sections Surveyed
Township 77-3-W6th Mer.	7
Township 77-2-W6th Mer.	18
Township 76-1-W6th Mer.	7
Township 76-2-W6th Mer.	2
Township 77-1-W6th Mer.	9

Total, forty-three sections which equal one township and seven sections. Just west of the Birch Hills area in Township 79, Range 7, West of the 6th Meridian, four sections were also surveyed.

4. Sturgeon Heights Area

This area is located south west of Sturgeon Heights in Township 69, Range 26, West of the 5th Meridian and comprises twenty-four sections or two thirds of the township.

5. This survey comprises one whole township located in Township 69, Range 7, West of the 6th Meridian, and south of Wapiti River and distant about twenty miles from Grande Prairie.

6. This survey is located about fourteen miles north of the highway into Lac La Biche and distant about twenty-two miles northwesterly therefrom.

In Twp. 70, Rge. 17, W.4th Mer. twenty-six sections were surveyed.
In Twp. 71, Rge. 17, W.4th Mer. twelve sections were surveyed.

The area surveyed represents one township and two sections. The Lac La Biche and the Wandering rivers run through this area and the traverses of these rivers were completed on the ice in December.

PEMBINA OIL FIELD SURVEYS

Owing to the large number of plans of "theoretical surveys" of oil well sites that were presented by the oil companies to this division for examination in Township 47, Ranges 8 and 9, West of the 5th Meridian it became apparent that the Pembina Oil Field, located in unsurveyed territory, was becoming a centre of major importance. Early in 1955 the matter was drawn to our Minister's attention because it was felt, that although the land was not suitable for agricultural settlement, some action should be taken to establish upon the ground the outlines of the townships, central meridians and central chords. After due consideration, such a survey was authorized and the surveyors left for the field towards the end of February, 1955. This survey was in progress at the end of this fiscal year and it is understood it must not be regarded as a precedent.

MISCELLANEOUS SURVEYS

Cypress Hills Provincial Park

(a) After due consideration by the Provincial Parks Board it was decided that a water supply should be made available in this particular park and accordingly, the survey of the water supply pipe line was completed.

(b) Before purchasing the Wunsch's property adjoining the Elkwater Lake in the North West quarter of Section 19, Township 8, Range 2, West of the 4th Meridian, it was necessary to resurvey the shoreline of this lake in accordance with the plan of survey existing at the time of patent.

(c) A parcel of land measuring 300' x 181.5' was surveyed within the boundaries of this park for the Department of Public Works.

Little Bow Provincial Park

(a) A plan of survey was made establishing the east boundary of Little Bow Provincial Park in the North East quarter of Section 2, Township 15, Range 22, West of the 4th Meridian.

(b) An access roadway to the park was surveyed in Section 2, Township 15, Range22, West of the 4th Meridian.

(c) The location of a dam in the South West quarter of Section 2, Township 15, Range 22, West of the 4th Meridian, was also surveyed.

(d) A further survey was made of the proposed location of the bath houses, picnic shelters and irrigation ditch in the West half of Section 2, Township 15, Range 22, West of the 4th Meridian.

Red Deer

An application was made to purchase land adjoining the left bank of the Red Deer River in the West half of Section 21, Township 38, Range 22, West of the 4th Meridian, and an inspection and survey were made at this location.

Burnstick Lake

An inspection and survey was made of Section 11, Township 35, Range 7, West of the 5th Meridian on Burnstick Lake in order that the possibilities of this lake may be considered for subdivision purposes.

Kinbrook Island Provincial Park

(a) A survey of an additional fourteen lots at Kinbrook Island Provincial Park in Section 19, Township 17, Range 14, West of the 4th Meridian was carried out.

(b) A survey was made in order to ascertain whether a Mr. MacDonald's property was located on privately owned land or Crown land at Lethbridge near the High Level Bridge.

Crimson Lake Provincial Park

Thirteen additional lots were surveyed at Crimson Lake Resort in the South West quarter of Section 23, Township 40, Range 8, West of the 5th Meridian.

Sylvan Lake Provincial Park

This park was investigated and a report submitted to the Parks Board as to the feasibility of filling in the low spots and raising the elevation of the land.

Wanham Drainage

In order to accommodate some of the settlers on Crown lands in the vicinity of Wanham, a series of levels was established in order to drain the low lying areas.

The levels were run in September and October, 1954. About thirteen miles of ditches were run following the lowest natural contours of the ground. The ditches could be excavated and maintained by the farmers and would drain approximately 1,200 acres.

RESTORATION SURVEYS

The inspection of survey monuments damaged or destroyed during the course of oil geophysical exploration and the restoration surveys thereof continued apace for the third year with the field season commencing on the 5th of May and terminating on the 17th of December, 1954.

Although, as in some of the foregoing surveys, very inclement weather prevailed, it is gratifying to report that this was the most successful season to date with approximately five hundred and twenty survey monuments restored or re-established at a cost to the oil industry of $24,173.39. After investigations into the responsibility for the destruction, accounts were sent to the following companies.

Amerada Petroleum Corporation	$ 7,322.57
Canada Cities Service Petroleum Corporation	$ 190.54
Stanolind Oil and Gas Company	$ 270.33
Canada Cities Service Petroleum Corporation	$ 2,519.47
Shell Oil Company Limited	$ 9,858.91
Hudson's Bay Oil and Gas Company	$ 79.56
Imperial Oil Limited (fines) O.C. 122-52, Subsec. 4, Sec. 3, Part 1	$ 650.00
Stanolind Oil and Gas Company (Hamilton and Olsen)	$ 1,047.20
Canadian Gulf Oil Company Ltd.	$ 1,985.26
Canadian Guld Oil Company Ltd.	$ 249.55
Season 1954 TOTAL	$ 24,173.39

A summary is set out hereunder showing the number of monuments restored or re-established and the cost for the last three years.

1952 - 493 monuments restored or re-established - $22,817.06
1953 - 395 monuments restored or re-established - $25,973.34
1954 - 520 monuments restored or re-established - $24,173.39

Total: 1408 monuments restored or re-established - $72,963.79

During the season of 1954 the number of men employed in the inspection of survey monuments was increased to five and the party split into two separate groups. This increase in the number of men and the splitting of the party was justified in that approximately twice the amount of territory was covered during this past season as compared with previous years and the inspection party has now inspected sufficient work to be approximately one full season's operations ahead of the survey party.

A conference, suggested by the Minister of Lands and Forests between members of this division, the Forestry Branch, the Department of Mines and Minerals, the Department of Municipal Affairs, representatives of the Canadian Petroleum Association and the oil industry was arranged and held in the Alberta Building in Calgary on November 24th, 1954, at which time the representatives of the oil industry were made thoroughly acquainted with the requirements of the various government departments in connection with their exploration and production activities.

Various contentious points were discussed and it was felt that existing government regulations were sufficiently stringent to fulfill the needs of both the government and the industry.

Evidence that this conference was very successful is now becoming apparent from the standpoint of this division in the detailed reports on the condition of survey monuments encountered during exploration activities, and the general co-operation and information being supplied voluntarily by the member companies in the industry.

The number of reports of destroyed survey monuments continues to decrease for the second straight year with only isolated corners being reported as destroyed or damaged during seismic operations for the season of 1954. It must be remembered, however, that the inspection and restoration survey crews are continuing to work on the considerable backlog of reports that remain on file.

It is our hope that with another three years' inspection and restoration operations our restoration program will be well in hand. It will be noted further, however, that inspections of damaged monuments and the restorations thereto have now passed from the settled areas to base lines, meridian lines and remote areas. The nature of these operations necessitate the use of pack horses and foot transport primarily and progress will be naturally somewhat slower from that of the past three years.

BOUNDARY SURVEYS

Alberta-British Columbia Boundary

As reported last year the survey of this boundary has been completed and accordingly a bill cited "The Alberta-British Columbia Boundary Act 1955" was presented to the legislature and duly passed declaring that the line so surveyed and monumented be the boundary line between this province and the Province of British Columbia, the bill was given final reading and passed April 1st, 1955.

Alberta-North West Territories Boundary

That portion of the boundary from Slave River to the north east corner of the province, comprising about sixty-six miles, has now been completed and established upon the ground, according to information received from Mr. J. H. Holloway, the commissioner representing Alberta. The preparation of reports and plans of survey will be given attention in due course.

PLANS OF SURVEY

There was a decided increase in the total number of plans over last year submitted for examination and filed in this division so that rights of the applicants could be established upon Crown lands.

Pipe Line Surveys

Under this classification, thirty-two pipe line surveys were examined, eight of which affected the beds of our rivers, particulars of which are as follows:

Devonian Natural Gas Co. Ltd. - North Saskatchewan River - SW 35-50-26-W4th Mer.
Canadian Western Natural Gas Ltd. - Bow River - N 1/2 12-24-1-W5th Mer.
Canadian Western Natural Gas Ltd. - South Saskatchewan River - SE 17-11-11-W4th Mer.
Canadian Western Natural Gas Ltd. - Elbow River - NE 4-24-1-W5th Mer.

Green River Exploration Company - Wizard Lake -
SW 3-48-27-W4th Mer.
Northwestern Utilities Ltd. - North Saskatchewan River -
NW 17 & NE 18, Twp. 53-23-W4th Mer.
Pembina Pipe Line Company - Buck Lake Creek -
SW 34-48-6-W5th Mer.
Pembina Pipe Line Company - Modeste Creek -
SW 34-48-5-W5th Mer.

Transmission Lines

The surveys of twelve transmission lines were examined and filed in this division. These plans form the basis of the issue of licenses of occupation or easements.

Subdivision Plans

Twenty-one plans of survey of subdivisions bordering on rivers and lakes were referred to this division under Chapter 42, Section 80 of The Land Titles Act in order to ascertain if any of these surveys affected any Crown land.

Well and Battery Sites

There was a decided increase in the number of plans that were examined and recorded in order that Crown lands may be acquired by the various oil companies for well and battery site purposes. Under this category 355 plans of survey were checked this year as compared with 125 plans checked last year.

Roadways

Seventy-six plans of survey of roadways affecting Crown lands were received from the Department of Highways and municipal districts. These plans were examined and the usual reservations were entered into our records against the Crown land affected.

Access Roadways

Eight plans of survey covering access roadways, used by various oil companies to reach the wellsites, were received and recorded in the office.

Photographic Library

There continues to be a great demand for the provincial aerial photography and our photographic laboratory developed films which made the sales climb to $52,533.51. This is a decided increase over the sales recorded last year which amounted to $37,709.73.

The aerial photographs sold during the fiscal year are as follows:

	Commercial Rate		Department Rate		Department Use	
	3333'	1320'	3333'	1320'	3333'	1320'
April	4599	35	26	0	166	0
May	9936	0	84	0	207	0
June	12446	0	48	1	28	0
July	5352	0	212	112	231	0
August	4551	0	0	1	98	123
September	1245	0	141	0	21	504
October	5890	0	19	0	3	0
November	3791	0	149	0	489	0
December	2484	0	385	0	63	0
January	3062	0	811	0	92	0
February	4259	0	122	0	122	0
March	7634	0	297	0	82	0
TOTAL	65249	35	2294	114	1602	627

GRAND TOTAL 3333' - 69,145

GRAND TOTAL 1320' - 776

It can now be reported that all the photography in the province upon the scale of 1" equals 3333' and also upon the scale of 1" equals 1320' has been indexed upon planimetric or other suitable maps and copies of these indices are now available to all organizations that purchase provincial photography.

In addition to the above photography, a considerable number of enlargements of photographs were made for governmental use, numicipalities and the general public. It is interesting to record that enlarged photography was acquired by the municipalities for assessment purposes.

In order to meet the general demand for this enlarged photography, it was necessary to acquire new equipment and the Elwood Aerial and Mapping Enlarger Model No. 8.10 was purchased for the enlarging of photography from aerial films. This machine is especially built for aerial survey and mapping work, with permanent alignment of the reflector and the lens. The lamp house is equipped with a twenty-inch deep silvered and polished reflector and a 500-watt mercury, cold light enlarging lamp.

In the operation of this enlarger, whenever the lamp house is raised or lowered the lenses are automatically focused to insure a sharp image and there is a screw vernier on the lens for final adjustment. The lens can be rotated about its vertical axis through 360 degrees and its horizontal axis through 45 degrees allowing an operator to remove the tip and tilt from a film negative.

The enlarger is equipped with a ten inch f/4.5 lens and can make a vertical projection up to a five times enlargement or be tilted horizontally to enlarge up to six or seven times.

Immediately upon the installation of this new machine, there was a demand for enlargements from the Municipal Districts of Wetaskiwin, Taber, Smoky Lake, Kneehill, Vermilion River and Barrhead, oil companies, engineering and geological survey companies and apart from meeting the requirements of our own department, the Department of Highways, the Bridges Branch, Public Works Department, Economic Affairs and Water Resources Branch, enlargements were also undertaken for the Department of Mines and Technical Surveys, Ottawa, as well as the general public. In all, a total of 300 enlargements were completed.

AERIAL SURVEYS

1" to 3333' Photography

The province received replacements for approximately 1,000 line miles of distorted photography from the Photographic Surveys Corporation of Toronto. As far as our part of the contract with this company is concerned, it appears that there are now about 400 line miles of distorted photography to be replaced. It is expected that the areas affected will be flown in the summer of 1955 and new photography will be forwarded to this office to replace the distorted photography.

1" to 1320' Special Photography

The following areas were flown for the Water Resources and Irrigation Branch.

1. The McMurray Reservoir south west of Medicine Hat and located in Townships 9 and 10, Ranges 7 and 8, West of the 5th Meridian.

2. Heavy rains were experienced causing many farm lands to be flooded in the Pembina Valley area. This area was flown at the height of the flood.

3. An unusual land slide occurred in an area twelve miles south west of Falher and near the banks of the Little Smoky River. The Alberta Research Council was also interested in this photography.

1" to 400' Photography

The townsite at Leduc and the city of Red Deer were photographed at this scale for town planning purposes. Three square miles in the Sundre area were flown for the Department of Water Resources.

Mosaics

During the fiscal year over 6000 square miles were mosaicked at varying scales for interdepartmental purposes. These include the towns of Rimbey, Okotoks, Pincher Creek, Camrose, Rocky Mountain House, Sundre, portions of the Pembina and Brazeau River basins and the projected irrigation network at Enchant. Commercially, 1000 square miles were mosaicked for the Siebens Oil Company.

Laydowns

Approximately 120 square miles of supplementary control net were laid in the Slave Lake area to aid in the location of licensed timber berths in the area.

Planimetric Mapping

The manuscripts for the areas 83-B-9 to 11, 14-16, and 83-G-1 to 16 were calculated and drawn on the aluminum backed manuscripts at a scale of 1" to 3333'. Fairdrawings of map areas 83-B-9 to 11, 14 to 16, and 83-G-1 to 4 were completed on autopositive film at a scale of 1" to 3333' and photographically reduced to 1" to 1 mile for sale to the public. Preliminary control, pointing, templet laydown and some interpretation was completed for the remainder of the manuscripts 83-G-5 to 16.

Topographic

Rimbey, Rocky Mountain House and part of Camrose were mapped at a horizontal scale of 1" to 200' and a vertical interval of 2.5 feet. These maps were compiled by Multiplex and Kelsh Plotter.

The Kelsh Plotter

It should be noted that the Kelsh Plotter, like the Multiplex, is an optical instrument used in our mapping program and was acquired during this year. It uses contact dispositives the same size as the aerial photograph 9 1/2" x 9 1/2", therefore allowing a greater degree of accuracy particularly in large scale photography where a small contour interval is required. The use of the Variable Ratio Pantograph allows an immediate reduction of scale from the working model with a reduction ratio of 2:1 to 5:1, thereby dispensing with the necessity of a later reduction as in the Multiplex Unit. Unlike the Multiplex Unit, which has seven projectors, the Kelsh Plotter has only two projectors and because of its simplicity the plotting table can be operated from either side of the work table.

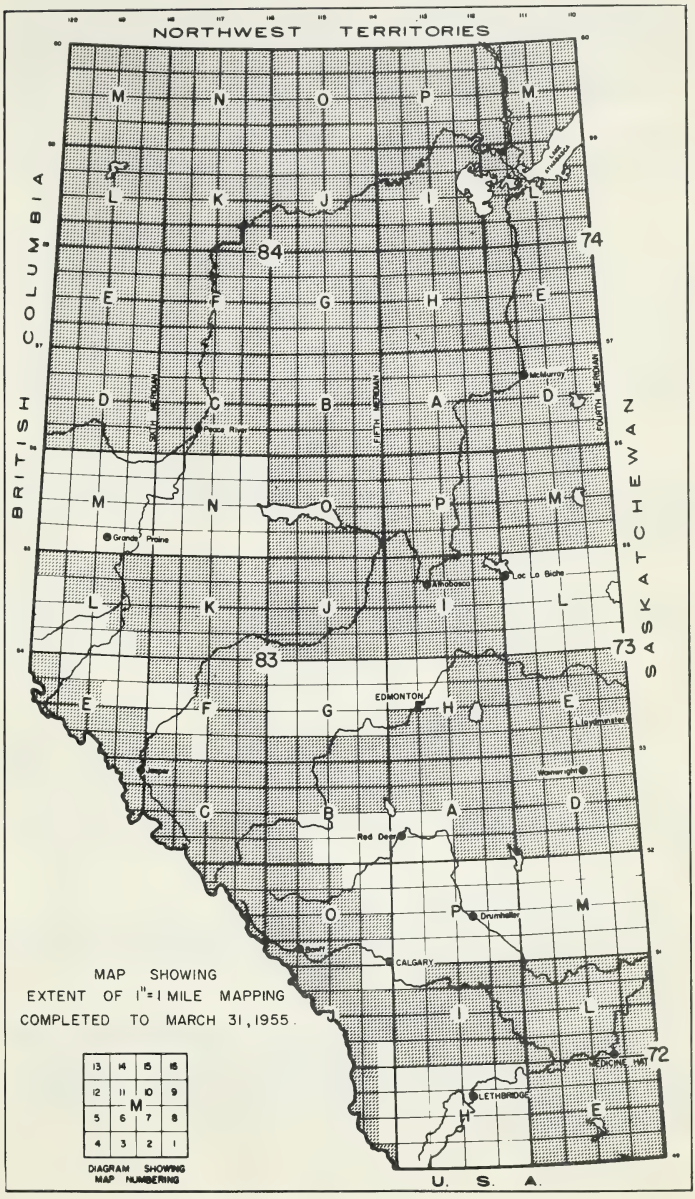
Map of Alberta

The drafting and designing of a complete new map of the Province of Alberta on a scale of one inch equals eight miles was the largest unit of drafting undertaken by this division. Work commenced on this project in January 1954, and continued throughout the year. It is anticipated that it will be completed in 1955 and quotations will be requested for the lithographing of this map.

Approximately 350,000 aerial photographs were utilized in the production of the map to assure absolute accuracy of detail. From the interpretation of the aerial photographs transposed onto aluminum-backed manuscripts, 705 large scale maps were made up. These maps were reduced photographically and used in the drafting of the final base map at a scale of one inch equals eight miles.

The base of this map was constructed utilizing the Transverse Mercator Projection which is in universal use, and aerial photography which has enabled the Technical Division to locate rivers and creeks and the other topographic features on the map with the utmost accuracy. The old map was found to have a number of inaccuracies due to the lack of information available.

Production techniques used on the new map are in great contrast with those used in the production of the 1939 map. In the first map the lettering for the topographic features was entirely hand-done, but on


NORTHWEST TERRITORIES
BRITISH COLUMBIA
SASKATCHEWAN
U. S. A.
84
74
83
73
72
EDMONTON
CALGARY
LETHBRIDGE
Peace River
Grande Prairie
Athabasca
Loc La Biche
Red Deer
Drumheller
Lloydminster
Warner
Coutts
SIXTH MERIDIAN
FIFTH MERIDIAN
FOURTH MERIDIAN
MAP SHOWING
EXTENT OF 1"=1 MILE MAPPING
COMPLETED TO MARCH 31, 1955.
13 14 15 16
12 11 10 9
M
5 6 7 8
4 3 2 1
DIAGRAM SHOWING
MAP NUMBERING

the present one, type-set place names, topographic features, etc., have been used. There were approximately 7,000 pieces of acetate burnished on this map. Sixteen different varieties and sizes of type were used throughout with the transparent acetate marking the topographic features such as rivers, lakes and mountain peaks. Opaque acetate was used for the location of cities, towns, villages, post offices and Indian Reserves to obliterate the background and allow the names to stand out clearly.

The use of photographically reduced large scale maps resulted in great savings in time and cost that would not have been possible with older production methods.

In its finished form the new map of Alberta will be published with the same coloring as in the previous issue, blue for the survey information, topographic features and their names, red for the highways and black for the railroads and names of the cities, towns, railway stations and post offices. Red screens will be used for the Indian Reserves and Metis Colonies, blue screens for the National Parks and a purple screen for the Forest Conservation Area. It is nine feet in length and five feet in width, and will be available to the public in four sections. The south east and north west sections are the most in demand.

To accompany this map is a booklet containing all the names of the rivers, lakes, cities, towns, railroad stations, post offices, Indian Reserves, Metis Colonies, Mountain peaks and mountain ranges, airports and seaplane bases, and their locations within the Province of Alberta.

A copy of the base map has been provided to the Department of Highways for use in the construction of their 1955 road map. The draftsmen of the Department of Highways added pertinent information to produce the first master road map for the touring public prepared in ten years.

Forestry Mapping Program

Map areas 84E, 84F, 84G and 84H, composed of 64 maps, were drawn on autopositive film at a scale of one inch equals 3333'. This necessitated redrawing the planimetric maps and superimposing the forest types on these maps. On completion the maps were photographically reduced to a scale of one inch equals one mile for sale to the general public.

Cypress Hills Provincial Park Forestry Map

A plan measuring ten feet by three feet six inches and upon a scale of one inch equals 1320 feet was drafted upon autopositive film showing the results of a forestry survey in the above provincial park.

Miscellaneous Drafting

A larger amount of drafting than usual was undertaken by this division including townsite subdivisions and general drafting and mapping in order to assist the Forestry Protection Branch. Maps were prepared of each protection area and mounted on linen upon which the location of all fires were indicated.

AERIAL PHOTOGRAPHIC SURVEY ACT

Nineteen flying licenses were issued under this act as compared with the issue of ten licenses last year. Details of these licenses are as follows:

License No.	Date Issued	Flying Contractor
34	May 14th, 1954	Spartan
35	May 14th, 1954	Spartan
36	May 25th, 1954	Spartan
37	June 16th, 1954	P. S. C.
38	June 21st, 1954	Spartan
39	Cancelled	
40	June 24th, 1954	Aero Surveys Ltd.
41	August 26th, 1954	Spartan
42	September 14th, 1954	Spartan
43	October 8th, 1954	Blanchet Trorey & Assoc.
44	October 8th, 1954	Blanchet Trorey & Assoc.
45	October 15th, 1954	Spartan
46	October 25th, 1954	Spartan
47	October 25th, 1954	Spartan
48	October 26th, 1954	Spartan
49	November 4th, 1954	Spartan
50	Cancelled	
51	March 2nd, 1955	P. S. C.
52	March 15th, 1955	Blanchet Trorey & Assoc.
53	March 17th, 1955	Imperial Oil
54	March 18th, 1955	Spartan

MAP PUBLICATION

Owing to the demand for the maps showing lands opened and closed for settlement, it was necessary to obtain a re-run of this map in January, 1955.

Township Plans

Owing to the completion of certain surveys of land settlement purposes new township plans were prepared through the office of the Director of Surveys covering the following areas.

TOWNSHIP PLANS PRINTED 1954 - 55

Township 71, Range 16, West 5th Meridian
Township 71, Range 17, West 5th Meridian
Township 95, Range 20, West 5th Meridian
Township 96, Range 20, West 5th Meridian
Township 70, Range 21, West 5th Meridian
Township 94, Range 21, West 5th Meridian
Township 95, Range 21, West 5th Meridian
Township 96, Range 21, West 5th Meridian
Township 67, Range 22, West 5th Meridian
Township 68, Range 22, West 5th Meridian
Township 72, Range 22, West 5th Meridian
Township 94, Range 22, West 5th Meridian
Township 95, Range 22, West 5th Meridian
Township 81, Range 7, West 6th Meridian
Township 82, Range 8, West 6th Meridian
Township 83, Range 8, West 6th Meridian
Township 84, Range 12, West 6th Meridian
Township 83, Range 13, West 6th Meridian

Owing to the depletion of our stock, it was found necessary to reissue publications of the following township plans.

Township 9, Range 29, West 4th Meridian
Township 10, Range 29, West 4th Meridian
Township 11, Range 29, West 4th Meridian
Township 9, Range 30, West 4th Meridian
Township 10, Range 30, West 4th Meridian
Township 11, Range 30, West 4th Meridian
Township 10, Range 1, West 5th Meridian
Township 5, Range 2, West 5th Meridian
Township 7, Range 3, West 5th Meridian
Township 8, Range 3, West 5th Meridian
Township 9, Range 3, West 5th Meridian
Township 5, Range 2, West 5th Meridian
Township 7, Range 4, West 5th Meridian
Township 8, Range 4, West 5th Meridian
Township 7, Range 5, West 5th Meridian
Township 8, Range 5, West 5th Meridian
Township 7, Range 6, West 5th Meridian
Township 8, Range 6, West 5th Meridian

Map Sales

During the fiscal year sales reached a total of $30,877.34.

PHOTOSTAT AND OZALID MACHINES

The latest model No. 4 Motor Driven Photostat Machine to which reference was made last year has certainly speeded up production of photostats by means of an electrically operated mechanism for developing and fixing photostat copies. The volume of photostat work is on the increase making it necessary to retain our old photostat machine as a stand-by and is now used for special jobs as the volume of photostat work increases.

The ozalid machine is also turning out a steady volume of prints, particularly so as there is still a steady demand for our one inch to the mile planimetric maps for the major oil companies.

Close and harmonious contact was maintained with the Lands and Forests Divisions during the disposal of our natural resources. A steady volume of maps, plans, sketches and legal descriptions were drafted and areas calculated. Upon reviewing the activities of this year another busy one can be written into the records.

Accordingly, it is a pleasure to again express appreciation to the staff for rendering courteous and efficient service.

Accounting Division

REPORT OF THE ADMINISTRATIVE ACCOUNTANT, A. McCALLUM

A surplus of $1,827,844.32 on income account was shown for the fiscal year ending March 31, 1955, as compared with $1,571,251.53 for the previous year, an increase of $256,592.79.

Net revenue amounted to $5,146,678.60, an increase of $436,477.70. Main increases and decreases were as follows:

Account	Increase	Decrease
	$	$
Fishing Licenses	11,397.25	———
Fisheries Royalty	3,320.39	———
Grazing Leases, Permits, etc.	69,796.41	———
Homestead Leases	———	54,418.95
Cultivation Leases, Permits, etc.	———	15,052.23
Land Patent Miscellaneous	———	12,137.12
Timber Fees, Rentals, Dues, etc.	324,602.79	———
School Lands Sales Interest	5,535.94	———
School Lands Leases, Berths, Permits	18,791.10	———
East Slope Surface Rights Revenue	142,479.90	———
Administration Sundry Revenue	———	8,733.27
Maps, Plans, etc.	———	8,689.84
Restoration of Survey Monuments	15,890.92	———
Photographic Survey	14,823.78	———
Dominion-Provincial Agreement re: Forest Survey	———	59,279.40
Dominion-Provincial Agreement re: Air Weapons Range	———	11,849.97
Net Revenue Increase	———	436,477.70
	$606,638.48	$606,638.48

For details of revenue on income account see Statement "B".

Refunds to the taxing authority, as provided by "The Crown Cultivation Leases Act", "The Grazing Lease Taxation Act" and "The Tax Recovery Act" amounted to $475,957.77.

NOTE: "The Crown Cultivation Leases Act, 1954, which came into force January 1, 1955, provides that land held under a crop share cultivation lease, shall be assessed as to value, and tax statements shall be sent to the Department by the Municipality. The Minister may pay to the taxing authorities, the amount shown in the statement."

Monies held in General Trust Account as at March 31, 1955, stood at $1,064,957.37, which amount is made up as follows:

Timber Deposits	$1,003,770.63
Parks Board Trust	31,305.44
East Slope Road Tolls Trust	7,552.79
Homesteaders Compensation Trust	8,512.11
Miscellaneous	13,816.40
	$1,064,957.37

As at March 31, 1955, the number of Active Accounts Receivable stood at 20,538, together with 1,335 Fish and Game Vendors' Accounts.

For the year under review 39,018 Fishing Licenses and 82,086 Game Licenses were sold, realizing revenue to the Department in the amounts of $97,333.85 and $242,720.35. Fur Tax collections amounted to $92,150.68.

Cash entries for the year were 56,468 for which 56,487 receipts and permits issued.

The number of refunds processed were 5,605 amounting to $679,687.19.

Canadian Wheat Board price adjustment cheques received during the year numbered approximately 5,000.

Total expenditure on income account amounted to $3,318,834.28. Of this amount $1,541,189.16 was for salaries.

Firefighting costs were $68,835.99.

In connection with the destruction of pests, which includes rabies control, an amount of $134,614.51 was disbursed.

In accordance with the Dominion-Provincial Agreement for East Slope Reserves, capital expenditures were $555,928.23 for which the Province received 100% reimbursement. Maintenance disbursements totalled $314,820.04. March 31, 1955, being the final year for capital expenditures by Canada as provided in the agreement, the total capital disbursements claimed from Canada by the Province for the seven year period amounted to $5,665,447.88. The cumulative expenditure of the Eastern Rockies Forest Conservation Board during the seven years of the Board's operations amounted to $6,278,906.10.

Under agreements with Canada, the Province received $9,381.80 for Forest Inventory Surveys and $53,049.98 in respect to the Primrose Lake-Air Weapons Range Agreement.

In the development and maintenance of Provincial Parks $91,117.39 was disbursed.

Surveys for land settlement purposes and restoration of monuments amounted to $204,924.57, including wages.

Due to increased revenues and expenditures in the expansion of services through the various branches of the Department, the staff of the Accounting Division has worked very hard and sincere appreciation for the cooperation and faithful service rendered by all members of the staff is herein acknowledged.

INDEX OF STATEMENTS

A. Statement of Receipts from all Sources.

B. Statement of Receipts - Income Account.

C. Statement of Receipts - Capital Account.

D. Statement of Receipts - School Lands.

E. Statement of Expenditure for the year ending March 31, 1955.

F. Statement of Receipts by Branches.

G. Statement of Disbursements by Branches.

H. Alberta School Land Trust Fund.

I. Alberta School Land Sales - Revenue Account.

Statement A

STATEMENT OF RECEIPTS FROM ALL SOURCES

From April 1, 1954 to March 31, 1955

	Gross Receipts	Refunds	Net Receipts
	$	$	$
Income Account	5,608,249.30	461,570.70	5,146,678.60
Capital Account	316,219.58	3,813.60	312,405.98
Reimbursement of Previous Year's Expenditure	2,079.72	———	2,079.72
School Land Trust Fund	362,491.60	678.22	361,813.38
Timber Deposits Trust	383,678.22	29,235.52	354,442.70
Homesteader's Compensation Trust	4,548.30	434.50	4,113.80
East Slope Road Tolls Trust	3,139.52	550.00	2,589.52
Parks Board Trust	13,945.48	103.25	13,842.23
Miscellaneous Trust	56,355.45	54,960.45	1,395.00
Unapplied Receipts Carried Forward:			
Improvements	29,579.35	14,232.24	15,347.11
Suspense	258,765.48	114,108.71	144,656.77
Grazing Lease Fees and Rental	75,750.00	———	75,750.00
School Land Grazing Permits	21,500.00	———	21,500.00
Grazing Permits and Reserve Permits	18,500.00	———	18,500.00
Homestead Lease Crop Share	38,000.00	———	38,000.00
Cultivation Crop Share	1,500.00	———	1,500.00
School Land Cultivation Crop Share	5,000.00	———	5,000.00
Total	$7,199,302.00	$679,687.19	$6,519,614.81

Statement B

STATEMENT OF RECEIPTS - INCOME ACCOUNT

From April 1, 1954 to March 31, 1955

	Gross Receipts	Refunds	Net Receipts
	$	$	$
Fisheries Account			
Fishing Licenses	97,673.40	339.55	97,333.85
Fisheries Miscellaneous	416.31	1.00	415.31
Fisheries Royalty	27,181.00	——	27,181.00
Total	125,270.71	340.55	124,930.16
Game Account			
Game Licenses	244,329.61	1,609.26	242,720.35
Fur Tax	94,126.98	1,976.30	92,150.68
Game Branch Miscellaneous	680.32	117.46	562.86
Total	339,136.91	3,703.02	335,433.89
Lands and Grazing			
Grazing Leases, Permits, etc.	324,773.28	65,408.13	259,365.15
Hay Permits, Fees, Dues, etc.	4,047.48	1,334.75	2,712.73
Homestead Leases, etc.	235,024.39	163,468.59	71,555.80
Public Lands Sales Interest	10,603.05	44.80	10,558.25
Cultivation Leases, Permits, etc.	59,594.89	30,792.32	28,802.57
Land Patent Miscellaneous	148,359.85	7,976.10	140,383.75
Total	782,402.94	269,024.69	513,378.25
Timber			
Timber Fees, Rents, Dues, etc.	3,096,563.56	25,263.03	3,071,300.53
School Lands			
School Lands Sales Interest	67,011.01	33.05	66,977.96
School Lands Leases, Permits, Berths, etc.	496,050.67	154,586.22	341,464.45
Total	563,061.68	154,619.27	408,442.41
East Slope Surface Rights Revenue	503,524.48	7,465.06	496,059.42
Miscellaneous			
Maps, Plans, etc.	30,877.34	——	30,877.34
Restoration of Survey Monuments	22,691.41	——	22,691.41
Administration Sundry Revenue	22,822.33	1,083.92	21,738.41
Photographic Survey	52,604.67	71.16	52,533.51
Reimbursement from Dominion Government re: E.R.F.C.B.	104.00	——	104.00
Dominion-Provincial Forestry Agreement re: Forest Inventory	9,381.80	——	9,381.80
Sale of Automobiles	6,757.49	——	6,757.49
Canada-Provincial Agreement (Air Weapons Range - Primrose Lake)	53,049.98	——	53,049.98
Total	198,289.02	1,155.08	197,133.94
TOTAL INCOME ACCOUNT (Carried forward to Statement A)	$5,608,249.30	$461,570.70	$5,146,678.60

Statement C

STATEMENT OF RECEIPTS - CAPITAL ACCOUNT

From April 1, 1954 to March 31, 1955

	Gross Receipts	Refunds	Net Receipts
	$	$	$
Land Sales Principal	205,000.98	3,643.61	201,357.37
Clearing and Breaking Crop Share	38,895.54	169.99	38,725.55
Dominion - Provincial Forest Agreement re: Forest Inventory	72,323.06	———	72,323.06
Total	$316,219.58	$3,813.60	$312,405.98

Statement D

STATEMENT OF RECEIPTS - SCHOOL LANDS

From April 1, 1954 to March 31, 1955

	Gross Receipts	Refunds	Net Receipts
	$	$	$
INCOME ACCOUNT			
School Land Sales Interest	67,011.01	33.05	66,977.96
School Land Grazing Leases, Rentals, etc.	55,916.10	11,840.06	44,076.04
School Land Hay Permits, Fees and Dues	796.75	228.00	568.75
School Land Cultivation Rent, Fees, Crop Shares, etc.	347,818.67	140,346.25	207,472.42
School Land Miscellaneous Leases	17,048.03	228.91	16,819.12
School Land Timber Fees, Dues, etc.	70,467.63	1,107.50	69,360.13
School Land Miscellaneous Revenue	4,003.49	835.50	3,167.99
Total	$563,061.68	$154,619.27	$408,442.41

STATEMENT E

GOVERNMENT OF THE PROVINCE OF ALBERTA

LANDS AND FORESTS DEPARTMENT

EXPENDITURE CLASSIFIED BY APPROPRIATIONS AND CHARACTER

FOR THE YEAR ENDED MARCH 31, 1955

INCOME ACCOUNT

Service	1901 Minister's Office	1902 Deputy Minister's Office	1903 Accounts Branch	1904 Advisory Board	1905 Destruction of Pests	1906 Eastern Rockies Forest Conservation	1907 Fisheries	1909 Forest Protection and Timber Operations	1910 Forest Inventory Division	1911 Forest and Prairie Fires Suppression Act	1912 Game Branch	1913 Eastern Rockies Forest Conservation Board	1914 Lands Branch	1916 Radio Communications	1917 Technical Branch	1918 Registration Branch	1919 Postage	1920 Printing, Stationery and Office Supplies	1921 Forestry Training School	1922 Provincial Parks	Payment to Department of Citizenship re treaty indian members	Totals
Advertising	$	$	$	$	$	$ 554.80	$	$ 2,565.98	$ 10.36		$	$	$ 5,569.81	$	$ 20.19	$	$	$	$	$ 7.95	$	$ 8,729.09
Automobiles						4,825.74	13,324.05	32,696.13	1,645.72		3,649.75		5,948.58	2,293.23	7,949.48					2,025.63		74,358.31
Board						627.71	948.16	11,583.07	6,252.45			61,066.53							2,549.13			83,027.05
Books and binding							90.90	159.10	51.69		68.20		24.00		16.49				7.74			418.12
Bounties for destruction of pests					134,614.51																	134,614.51
Buildings and sites																				2,000.00		2,000.00
Cinema and photographic supplies									8.30													8.30
Clothing						2,232.93	1,500.91	6,841.51			2,079.72									62.64		12,717.71
Construction contracts							401.17	65,609.46												15,082.67		81,093.30
Equipment		617.59	563.84			1,049.35	3,763.75	70,269.18	2,604.17		1,218.62		1,988.99	25,626.57	19,051.90	266.85			503.35	11,544.58		139,068.74
Feed and seed						309.60	4,674.39	201.55			5,336.20		25.00							71.25		10,617.99
Fees and commissions								144.16			116.30		24.00		390.20					30.22		704.88
Freight, express and cartage			30.04			438.69	431.30	9,954.43	833.25		601.34		41.92	857.84	1,371.25	25.64			7.09	910.87		15,503.66
Heating, lighting and power						3,336.09	1,220.06	8,519.17	172.33		1,244.48			2,084.76					313.79	1,249.32		18,140.00
Laundry and cleaning							85.60		67.00		30.00				101.38				72.70			356.68
Legal fees and expenses						49.20		2.30			71.00				5.00							127.50
Medical services						35.00																35.00
Miscellaneous expenses and supplies			15.83			2,318.74	4,317.09	3,564.23	1,074.96		3,971.08	2,649.69	78.50	5,025.25	18,395.56	800.60			451.98	4,777.77	1,907.00	49,348.28
Newspapers and periodicals	19.00	4.00					51.54	11.87	27.88		4.00		10.00	7.35	4.00	45.46			6.42	4.00		195.52
Postage	40.00					713.00	195.00	1,355.00			209.00		170.90	90.00			15,121.72		281.22	29.00		18,204.84
Printing, stationery and office supplies	58.66		974.10			950.40		78.80	279.58		.13				16,921.87	8.40		38,916.01	110.03			58,297.98
Rates, rentals and insurance	91.03	103.34	126.50			2,700.51	1,617.31	67,109.14	1,293.70		1,611.57		37,877.51	3,778.33	1,722.42	587.83			229.25	1,995.50		120,843.94
Repairs and replacements	534.52	100.73	601.87			46,159.88	9,995.21	69,918.39	4,926.83		10,092.26		6,218.43	18,337.15	3,329.17	285.91			158.73	15,951.99		186,611.07
Salaries	11,658.64	25,756.64	101,786.06			180,757.37	86,735.39	519,790.53	66,442.70		82,504.83		210,239.25	52,879.73	111,970.37	76,540.81				14,126.84		1,541,189.16
Special services													30.00									30.00
Surveys															121,764.61							121,764.61
Telegrams and telephones	446.76	193.39	174.95			969.95	952.24	1,996.09	235.91		1,169.41		1,437.28	1,236.30	162.04	5.60			17.45	267.04		9,264.41
Travelling expenses	500.83	972.85	66.16	900.75		26,577.91	23,847.87	103,284.04	5,219.26		40,702.13	18.00	35,453.51	6,960.98	10,877.90	218.50			1,121.93	2,443.24		259,165.86
Wages						40,213.17	18,060.90	89,272.55	26,645.76	68,835.99	21,234.50		1,827.25	3,514.66	83,159.96				1,096.15	18,536.88		372,397.77
TOTAL: Income Account	$ 13,349.44	$ 27,748.54	$104,339.35	$ 900.75	$134,614.51	$314,820.04	$172,212.84	$1,064,926.68	$117,791.85	$ 68,835.99	$175,914.52	$ 63,734.22	$306,964.93	$122,692.15	$397,213.79	$ 78,785.60	$ 15,121.72	$ 38,916.01	$ 6,926.96	$ 91,117.39	$ 1,907.00	$3,318,834.28

CAPITAL ACCOUNT

Service	1982 Aerial Photography and Forest Inventory
Surveys	$ 40,936.68
TOTAL: Capital Acount	$ 40,936.68

Statement F

STATEMENT OF RECEIPTS BY BRANCHES

From April 1, 1952 to March 31, 1955

	Fiscal Year Ending			
	March 31/52	March 31/53	March 31/54	March 31/55
	$	$	$	$
INCOME ACCOUNT				
Fisheries Branch	91,544.27	98,183.39	109,925.93	124,930.16
Game Branch	324,890.60	371,949.93	335,309.28	335,433.89
Lands and Grazing Branch	714,989.88	663,717.82	526,377.95	513,378.25
Timber Branch	2,227,043.96	2,993,472.52	2,746,697.74	3,071,300.53
Unearned Increment Tax	1,722.65	311.05	64.05	———
School Lands	379,955.03	529,085.22	384,115.37	408,442.41
East Slope Surface Rights	224,688.37	467,939.53	353,579.52	496,059.42
Miscellaneous	98,309.76	126,843.19	254,231.06	197,133.94
CAPITAL ACCOUNT				
Land Sales Principal	72,095.72	89,631.29	154,789.63	201,357.37
Seed Grain Principal	32.86	187.50	146.41	———
Clearing and Breaking Projects, Crop Share	23,492.64	41,974.73	41,184.39	38,725.55
Reimbursement from Dominion Government re: Forest Inventory	———	132,974.92	95,770.62	72,323.06
Reimbursement from Dominion Government re: Eastern Rockies	133.37	———	———	———
Transferred to other Departments	8,498.73	3,183.91	1,097.50	2,079.72
School Land Trust Fund	387,306.46	366,000.98	340,079.10	361,813.38
Timber Deposits Trust	———	1,023,844.76	362,172.82	354,442.70
Homesteader's Compensation Trust	385.05	1,235.31	2,864.00	4,113.80
East Slope Road Tolls Trust	138.46	1,290.64	4,808.79	2,589.52
Parks Board Trust	10,594.29	17,854.55	16,445.32	13,842.23
General Trust (Miscellaneous)	———	———	———	1,395.00
Unapplied Receipts Carried Forward	1,248,356.42	356,400.88	398,000.00	320,253.88
Total	$5,814,178.52	7,286,082.12	6,127,659.48	6,519,614.81

Statement G

STATEMENT OF DISBURSEMENTS BY BRANCHES

From April 1, 1952 to March 31, 1955

		Fiscal Year Ending			
		March 31/52	March 31/53	March 31/54	March 31/55
		$	$	$	$
INCOME					
1901	Minister's Office	10,476.46	9,214.65	14,812.56	13,349.44
1902	Deputy Minister's Office	40,774.62	26,995.43	23,512.21	27,748.54
1903	Accounts Division	91,180.82	96,323.84	110,844.53	104,339.35
1904	Advisory Board	949.27	688.65	933.13	900.75
1905	Destruction of Pests	19,147.85	84,390.94	321,746.03	134,614.51
1906	Eastern Rockies Conservation	224,688.37	240,715.73	261,430.22	314,820.04
1907	Fisheries Division	139,146.59	156,892.88	172,586.63	172,212.84
1909	Forest Protection & Timber Operation	561,585.56	642,686.46	807,312.07	1,064,926.68
1910	Forest Survey Division	45,437.14	55,511.74	90,396.64	117,791.85
1911	Forest and Prairie Fires Suppression Act	28,071.74	66,120.05	186,354.00	68,835.99
1912	Game Division	117,909.72	176,382.27	174,194.41	175,914.52
1913	Eastern Rockies Forest Conservation Board	8,535.75	63,349.37	62,011.11	63,734.22
1914	Lands Division	222,834.38	244,509.90	257,614.84	306,964.93
1916	Radio Communication	110,115.50	84,414.01	121,797.41	122,692.15
1917	Surveys Division	291,469.95	340,549.73	312,274.48	397,213.79
1918	Registration Division	72,943.02	63,995.68	67,077.75	78,785.60
1919	Postage	12,708.15	12,501.85	12,636.27	15,121.72
1920	Printing Stationery & Office Supplies	31,402.37	32,227.84	42,439.49	38,916.01
1921	Forestry Training School	7,612.81	10,717.05	7,641.83	6,926.96
1922	Provincial Parks	47,958.04	102,028.62	91,433.76	91,117.39
SW 43-63/51-52					
SW 2-25/52-53	Cost of Survey of Department by Stevenson Kellogg Ltd.	14,000.00	8,297.96	———	———
SW 5-57/54-55	Amount required to pay claims of the Department of Citizenship and Immigration (Canada)	———	———	———	1,907.00
Total Income Account		$2,098,948.11	2,518,514.65	3,139,049.37	3,318,834.28
CAPITAL					
1980	Land Settlement Clearing & Breaking	164,733.26	188,513.59	13,482.61	———
1982	Aerial Photography & Forest Inventory	405,703.29	306,320.46	257,225.96	40,936.68
SW 87/51-52	Purchase of land for Vermilion River Prov. Park	27,511.19	———	———	———
SW 11/53/54	Purchase of Hudson's Bay Co. Lands Situated within the Province	———	———	118,327.80	———
Total Capital Account		$597,947.74	$494,834.05	$389,036.37	$40,936.68

Statement H

ALBERTA SCHOOL LAND TRUST FUND

Balance Sheet - March 31, 1955

As at March 31, 1955, the fund amounted to $15,615,597.13 made up as follows:

Cash		$ 382,035.37
Accounts Receivable, collections not remitted		101,585.78
Investments: School districts' and school divisions' debentures		13,281,371.71
Unpaid principal on school land sales:		
(a) Not due	$1,649,363.83	
(b) Due or in arrears	169,250.53	
		1,818,614.36
Sundry		31,989.91
		$15,615,597.13

Statement I

ALBERTA SCHOOL LAND SALES - REVENUE ACCOUNT

From April 1, 1954 to March 31, 1955

Arrears Interest as at March 31, 1954	$ 40,875.02	
Interest Charges	$ 72,394.05	
Interest Revenue		$ 66,957.29
Interest Written Off (Cancelled Sales)		$ 2,226.06
Arrears of Interest as at March 31, 1955		$ 44,085.72
	$113,269.07	$113,269.07

Registration Division

REPORT OF THE REGISTRAR.

C. B. KENWAY

Incoming mail, which is a good criterion of work flowing through the Department, was up nearly 5% from last year. Another good indication is the number of entries in, and deletions from the township registers, and these were about 11% greater than the previous year.

Changing of files from the numerical system to land description still continues but has slowed down considerably, because of the necessity to split old correspondence from the files. The new folders, have made a remarkable difference in the appearance of the filing cabinets and misfiles are found easily. The new check-out cards have eliminated many lengthy searches, and reduced the length of the search lists.

A closer check of files in circulation is now being made, but further improvements could be made by a revision of some departmental procedures.

Amalgamation of the school and public land registers still continues as a pick-up job. When this work is completed much of the annoyance and errors of previous years will be eliminated, by having both in the same register.

Because of boundary changes established by the Co-Terminus Boundary Commission, a considerable number of standings have been supplied to municipalities. Oil companies still continue to ask for standings, although these may have dropped slightly in number during the past year.

During the past year, a start was made on microfilming old correspondence from live files, in order to reduce filing space. In the past, microfilming has been confined to photographing dead and patented files. Saving in office space through microfilming amounts to well over $20,000 annually. During the past year 346 films were exposed, against 160 films exposed during the previous year. Because of the increasing number of references to the microfilms, it is hoped that this section of the branch will soon be housed in the Natural Resources Building.

The past year has seen many changes within the branch, and the attendant difficulties usually involved with such changes, and the writer expresses his appreciation to the staff for their untiring efforts, cheerfulness and courtesy displayed in carrying out the routine work in a state of flux.

SUMMARY OF INCOMING AND OUTGOING MAIL BY NUMBER OF PIECES FOR THE PAST THREE YEARS

Year	Incoming	Outgoing	Total
1952-53	104,965	174,388	279,530
1953-54	107,268	189,123	296,391
1954-55	112,235	193,961	307,196

A TWO-YEAR COMPARISON OF SOME OF THE PRINCIPAL RECORD ENTRIES

Item	1953-54	1954-55	Difference
Assignments registered	304	362	58
Notifications for patent	521	553	32
Timber berth and special timber permit applications	718	821	103
Forestry reservations	594	483	-111
Accrued area leases entered	68	45	- 23
Accrued area leases cancelled	64	51	- 13
Homestead leases (civilian) entered	747	791	44
Homestead leases (civilian) cancelled	505	673	168
Homestead leases (veteran) entered	112	111	- 1
Homestead leases (veteran) cancelled	101	88	- 13
Licenses of occupation entered	60	42	- 18
Licenses of occupation cancelled	23	19	- 4
Miscellaneous leases entered	48	35	- 13
Miscellaneous leases cancelled	33	28	- 5
Cultivation leases entered	61	284	223
Cultivation leases cancelled	38	46	8
Public land sales entered	363	256	-107
Public land sales cancelled	5	12	7

Continued -

Item	1953-54	1954-55	Difference
Road allowance leases entered	186	98	- 88
Road allowance leases cancelled	29	47	18
Grazing leases entered	99	310	211
Grazing leases cancelled	37	69	32
School land sales entered	191	167	- 24
School land sales cancelled	6	19	13
School land miscellaneous leases entered	8	5	- 3
School land miscellaneous leases cancelled	8	8	0
School land licenses of occupation entered	11	1	- 10
School land licenses of occupation cancelled	1	1	0
School land cultivation leases entered	55	47	- 8
School land cultivation leases cancelled	72	49	- 23
Miscellaneous permits entered	725	790	65
Grazing permits entered	1,467	1,283	-184
Cultivation permits entered	64	56	- 8
Sand and gravel permits entered	33	27	- 6
School lands grazing permits entered	936	1,529	593
School lands cultivation permits entered	45	33	- 12
	8,338	9,239	901

Provincial Parks Administration

REPORT OF THE PROVINCIAL PARKS BOARD

V. A. WOOD, *Chairman*

T. W. DALKIN, *Board Member*

As has been the case during the past several years provincial parks again received greater patronage from the public than in any previous year. The adoption of the five-day week, the general improvement in road conditions and the overall economic prosperity of the province has increased greatly the use of present recreational facilities and indicates a need for additional recreational areas.

The Provincial Parks Board continued the policy of encouraging the local advisory committees to use as much local voluntary labour as possible. Consequently in numerous cases construction was undertaken by local residents resulting in more being accomplished for the improvement of the parks than would have been possible otherwise.

A very important part in the operation of the provincial parks is played by the local advisory committees. Each park is operated under the guidance of a committee of three local residents who donate their time and effort in the endeavor to provide the best possible facilities at the park in their community. The department realizes and appreciates the efforts of these public spirited men.

There were numerous requests for new parks during the year. Each location was inspected by the Superintendent of Provincial Parks and considered by the Board. An inspection was also made of three proposed historical sites. It was recommended that these sites be acquired and set aside for possible future development. No new provincial parks were established although several locations are under consideration. Orders-in-council were passed adding areas to Cypress Hills, Rochon Sands and Saskatoon Island Parks.

The increase in patronage at the provincial parks resulted in more work being necessary to keep the parks in a sanitary condition, consequently it was necessary to employ twelve caretakers and hire help at five other parks where a full-time summer caretaker was not necessary.

The policy of installing playground equipment in conjunction with picnic facilities, at the different parks, has been popular with the public and is a big factor in developing the parks into recreation grounds for the whole family.

The following is a brief summary of the main developments and activities carried on at the provincial parks during the fiscal year, the locations of which are shown on the accompanying map.

MAP SHOWING LOCATION OF PROVINCIAL PARKS

REFERENCE

● — PROVINCIAL PARKS

○ — CITIES, TOWNS, ETC.

Aspen Beach Park - A new parking area was constructed which was fenced to prevent the driving of cars on the beach. Local residents provided the labour for the construction of a picnic shelter and extensive reclamation work was done to the mile and one half of beach.

Beauvais Lake Park - Picnic and camping facilities were improved and additional sanitary facilities were constructed.

Crimson Lake Park - Three quarters of a mile of road was constructed to serve the additional townsite lots. Sand was placed on the beach to extend it another one hundred and fifty feet. The Fisheries Branch planted the lake with rainbow trout which increased the patronage of the park.

Cypress Hills Park - The major undertaking for this park was the installation of the Elkwater townsite water system. To complete this task, with the existing park staff, necessitated the purchase of a Hopto ditch digger and the pipe and fittings. Much difficulty was encountered due to the rough terrain over which the main supply line had to be laid. By the end of September the major portion of the project was completed and 23 service installations were made. There is 14,452 feet of 4" transite pipe in the main lines with 2,943 feet of small plastic pipe in the lateral lines. All lines are buried six feet in the ground which is below the frost level.

General maintenance was carried out on the existing fireguards, trails and telephone lines. The increased patronage of the park required more time and help to keep the park and picnic facilities in a sanitary condition. A new garbage dump had to be opened with the old one being filled and levelled. A new storage shed was constructed to house the park equipment. A new bath house was constructed to increase the necessary facilities. Considerable time and effort was spent to clean up the waterfront and improve the beach facilities.

Dilberry Lake Park - Claying of the sand roads throughout the park was completed to assure passable car travel. A new boating pier, which is removed from the water each fall to prevent damage from the ice in the lake, was constructed. This park is attracting more visitors each season and necessitates a summertime caretaker.

Garner Lake Park - One half mile of fence was constructed. Parking barriers were erected to prevent cars driving on the beach. The camping area was improved to provide needed facilities for week-end visitors to the park. Additional playground equipment was erected and repairs were made to the bath houses.

Gooseberry Lake Park - General maintenance was undertaken at this park and additional playground equipment was erected. Although this park is in an area of relatively sparse population the park is used extensively by the local residents and a summertime caretaker is required to keep the park in a sanitary condition.

Kinbrook Island Park - To increase the facilities at this park new picnic stoves and tables were supplied. A summertime caretaker is

employed to keep the park clean and maintain the beach. Several new summer cottages have been constructed within the newly surveyed subdivision and there have been requests to survey additional lots.

Little Bow Park - This is a relatively new park with no previous development and considerable work was undertaken. The local residents, mainly the Lions Clubs of Champion, Vulcan and Carmangay supplied the labour to erect a picnic shelter, two bath houses and the playground equipment as well as a fence around the park with materials supplied by the Parks Board. A new access road was constructed to the main park area and gravelled to assure travel in all weather conditions. A great deal of boating is enjoyed by the local residents on the new Travers Reservoir and most boats are launched from this park.

Ma-Me-O Beach Park - A new well was drilled and a pump installed to insure a satisfactory supply of drinking water. General maintenance and clean-up of the park was supplied as well as gravel to improve the entrance to the park.

Park Lake Park - A new picnic shelter and a boat launching pier were constructed and an extension was made to the main park pier. This park is very popular with the residents of the Lethbridge area. A caretaker is employed to keep the park in a satisfactory state.

Pembina River Park - A large parking area was levelled and gravelled at this park. Picnic facilities and playground equipment were erected. As this park is adjacent to the Jasper highway and is used by a great number of travellers it was necessary to hire a caretaker for the summer to keep the park in a sanitary condition.

Red Lodge Park - A new forty-foot children's wading pool was constructed to provide water enjoyment for the smaller children. This was a necessity due to the treacherous conditions that prevail in the Little Red Deer River. This park along with the others is being used more each year and facilities will soon be inadequate. Family reunions, group picnics and tourists use the park at all times during the summer months. General maintenance and a continual need for clean-up necessitates a summer-time caretaker.

Rochon Sands Park - This park is proving more popular with the residents of the Stettler area each year. A survey was completed of the actual beach area required for the extension of this park. A new pier was constructed and the park was cleaned up regularly by a caretaker.

Saskatoon Island Park - The main roads throughout the park were widened and gravelled to accommodate the larger crowds that are using this park. A caretaker was employed to ensure the park being kept in a sanitary condition.

Taber Park - Additional picnic facilities were supplied to this park and grass was seeded throughout the park. A full time summer caretaker was employed who painted all park buildings and kept the park clean.

PICNIC FACILITIES AT PROVINCIAL PARKS



A Picnic shelter at Red Lodge Park



A picnic stove in use at Crimson Lake Park

Vermilion Park - Two bath houses and concession booths were built at the Vermilion Agricultural School for the park with materials supplied by the Parks Board. Two piers were constructed, one for boating and one for swimming. Both swimming and boating are very popular at this park. Gravelling was completed on one mile of road and considerable brushing was completed by contract. The official opening of the park was held on June 30th with the Honourable Ivan Casey officiating.

There were 196 provincial parks leases in effect on the 31st day of March, 1955. During the fiscal year applications were received for 109 leases and there were 2 leases cancelled.

The following is a summary of the revenue and expenditures for the fiscal year:

1. Amount appropriated for provincial park purposes	$78,000.00
2. Revenue received from each park:	
Beauvais Lake	$ 273.95
Crimson Lake	399.56
Cypress Hills	12,269.20
Dilberry Lake	20.00
Garner Lake	30.00
Gooseberry Lake	20.00
Kinbrook Island	275.00
Red Deer River Protected Area	27.94
Saskatoon Island	188.53
Vermilion Park	205.03
Writing-on-Stone	118.50
Total	$13,827.71
3. Expenditures for each park:	
Aspen Beach	$ 3,255.64
Beauvais Lake	3,650.38
Crimson Lake	3,224.10
Cypress Hills	25,060.42
Dilberry Lake	1,638.70
Garner Lake	2,656.89
Gooseberry Lake	798.68
Kinbrook Island	1,316.87
Little Bow	5,197.88
Ma-Me-O Beach	869.34
Park Lake	4,603.36
Pembina River	4,116.07
Red Lodge	3,255.31
Rochon Sands	2,211.32
Saskatoon Island	2,253.00
Sylvan Lake	1,504.20
Taber	1,881.52
Vermilion	3,335.69
Woolford	508.61
Writing-on-Stone	502.23
Total	$71,840.21

4. General Expenses such as office, salaries, travelling, etc.

Salaries	$14,126.84
Travelling Expenses and General	5,150.34
Total	$19,277.18

5. Expenditures from Parks Board Trust

Beauvais Lake	$ 842.08
Crimson Lake	109.68
Cypress Hills	19,762.63
Park Lake	400.57
Vermilion	1,612.48
Total	$22,727.44

PERSONNEL
Of Department of Lands and Forests
by Branches

1. MINISTER'S OFFICE

1	Minister
1	Secretary
2	

2. DEPUTY MINISTER'S OFFICE

1	Deputy Minister
1	Departmental Solicitor
1	Stationery and Equipment Clerk
1	Personnel Officer
1	Secretary
3	Stenographers
2	Clerk-Typists
10	

3. PUBLIC LANDS

1	Director of Lands
1	Asst. Director of Lands
1	Supervisor Grazing Appraisal
1	Grazing Appraiser
1	Supervisor Land Classification
1	Field Supervisor
4	District Supervisors
5	Soil Investigators
1	Homestead Lease Inspector
1	Inspector on Collections
8	Supervisors (Office)
15	Correspondence Clerks
2	Counter Clerks
1	Clerk
22	Stenographers
3	Clerk-Typists
1	Clerk, Calgary
1	Sub-Agent, Peace River
1	Sub-Agent, Grande Prairie
71	

4. FORESTS AND WILDLIFE DIVISION

1	Director of Forestry
1	Asst. Director of Forestry and Superintendent of Management
1	Asst. Superintendent of Management
1	Chief Clerk
1	Timber Administrative Officer
1	Clerk-Accountant
3	Correspondence Clerks
11	Clerks
1	Secretarial Clerk
1	Clerk-Stenographer
1	Clerk-Typist
6	Stenographers
4	Timber Auditors
33	

4a. Forest Protection Branch

1	Superintendent of Protection
1	Asst. Superintendent of Protection
6	Forest Superintendents
8	Asst. Forest Superintendents
4	Timber Inspectors
2	Asst. Timber Inspectors
8	Forest Officers III
65	Forest Officers II
6	Radio Operators
13	Forest Officers I
14	Lookout Men - classified and year round
10	Lookout Men - seasonal
7	Stenographers
7	Forest Clerks
152	

4b. Forest Surveys Branch

1	Superintendent
1	Asst. Superintendent of Inventory
1	Asst. Superintendent of Planning
6	Forest Engineers
1	Photogrammetry and Compilation Supervisor
4	Photogrammetrists
4	Draughtsmen and Compilers
1	Stenographer
1	Clerk-Typist
20	

4c. Radio Communications Branch

1	Radio Superintendent
1	Asst. Radio Superintendent
2	Chief Radio Operators
6	Radio Technicians
4	Radio Operators
2	Stenographers
16	

4d. Game Branch

1	Superintendent of Game
1	Game Officer III
2	Game Officers II
2	Biologists
13	Game Officers I
1	Chief Clerk
2	Clerks
5	Stenographers
27	

4e. Fisheries Branch

1 Superintendent of Fisheries
2 Biologists
1 Fishery Officer IV
1 Fishery Officer III
15 Fishery Officers II
2 Fishery Officers I
1 Superintendent Fish Hatchery - Calgary
1 Asst. Superintendent Fish Hatchery
5 Hatchery Assistants
1 Stenographer

30

5. EASTERN ROCKIES FOREST RESERVES ADMINISTRATIVE OFFICE, CALGARY

1 Administrative Officer
1 Maintenance Foreman (Construction)
1 Maintenance Foreman (Mechanical)
1 Road Foreman
2 Gradermen
1 Office Supervisor
1 Stenographer

8

5a. Crowsnest Forest Reserve

1 Forest Superintendent
1 Asst. Forest Superintendent
1 Headquarters Ranger
6 Forest Officers II
5 Forest Officers I
1 Lookout Man - Classified - Seasonal
4 Lookout Men - Unclassified - Seasonal
1 Forest Clerk
1 Stenographer

21

5b. Bow River Forest Reserve

1 Forest Superintendent
1 Asst. Forest Superintendent
1 Headquarters Ranger
7 Forest Officers II
12 Forest Officers I
3 Lookout Men - Classified - Seasonal
6 Lookout Men - Unclassified - Seasonal
1 Forest Clerk
1 Stenographer

33

5c. Clearwater Forest Reserve

1 Forest Superintendent
1 Asst. Forest Superintendent
1 Headquarters Ranger
4 Forest Officers II
7 Forest Officers I
1 Lookout Man - Classified - Seasonal
2 Lookout Men - Unclassified - Seasonal
1 Forest Clerk
1 Stenographer

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5. TECHNICAL

1 Director Technical Division
1 Assistant Director
2 Surveyors
1 Interpreter - Aerial Surveys
3 Photogrammetrists
1 Engineer
2 Assistant Surveyors
1 Senior Draughtsman
3 Technical Assistants
10 Draughtsmen
2 Draughtsmen - Computers
1 Inspector and Investigator
1 Photo Processor
1 Asst. Photo Processor
1 Photostat Operator
1 Ozalid Machine Operator
1 Map Mounter and Junior Photostat Operator
3 Clerk-Typists
3 Stenographers

39

4. ACCOUNTS

1 Administrative Accountant
1 Asst. Administrative Accountant
4 Supervisors
25 Clerks
2 Cashiers
5 Bookkeeping Machine Operators
2 Stenographers
4 Clerk-Typists

44

8. REGISTRATION

1	Registrar
2	Chief Clerks
2	Asst. Chief Clerks
1	Recordak Operator
17	Clerks
3	Clerk-Typists
1	Stenographer
27	

9. PROVINCIAL PARKS BOARD

1	Superintendent of Parks
1	Provincial Park Warden - Cypress Hills
1	Asst. Provincial Park Warden - Cypress Hills
1	Correspondence Clerk
4	

556 Total for Department